Model S4 UHF Reader

1 to 4 Antenna Ports



Physical:	Dimensions (Housing Only):	7.10" x 6.2" x 2.7"	180mm x 157mm x 69mm
	Weight (w/o mounting brackets)	2 lb. + 12 oz.	1243 grams
	Antenna Connectors:	TNC-Female	
	Number of Antenna Ports	1 to 4	
	Enclosure:	Aluminum	

Read Range:	Up to 25 meters, Tag and Antenna dependent

Certifications:	FCC, ETSI, CE, RoHS, UL294
	EPC Gen-2 ISO 18000-6 Standard

RF:	FHSS (Frequency Hopping Spread Spectrum)
	(30 dBm) 1W TPO (Total Power Output) at Antenna connector
	dBm can be lowered through software command to accommodate higher gain Antennas

Extras:	Relay 60VADC @ 350mA (NO) and Loop Detector (Input)
	Adjustable Internal Beeper Rate

Electrical:	Voltage Input:	8VDC to 28VDC	
	Draw:	1.2A Single Antenna	1.5A Four Antennas
	Frequency:	902-928 MHz	865.5-867.5 MHz

Communications:	Standard on all models:	USB and serial	(default 115.2k, 8, 1, N)
	Allen Bradley:	Ethernet/IP	DeviceNet
	Siemens:	Profibus	Profinet
	Modicon:	Modbus RTU	Modbus TCP
	Other:	TCPIP Ethernet	CAN Open (TBR)

THIS READER REQUIRES EXTERNAL ANTENNAS, PAGES 10 thru 18

UHF Readers Made in the U.S.A.



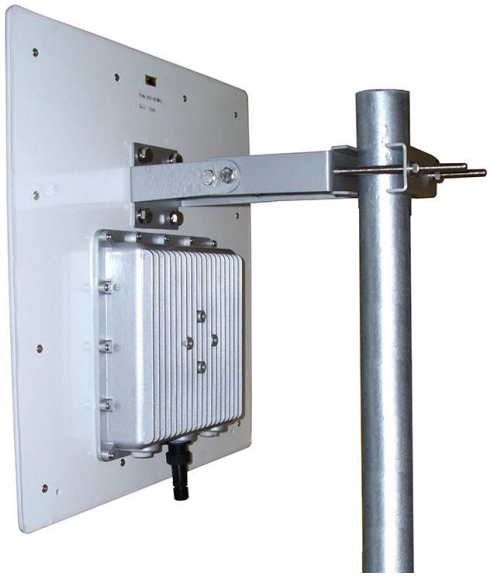
Reader Part Numbers

Model Number	Part Number	Description
	For -0x suffix use: -01, -02, -03, or -04 to indicate number of Antenna ports	All Readers come with: Power connector for adaptation to AC power supply 9pin D-sub serial RS232 cable See accessories section below for AC power supply and audible beeper part numbers
S4-8030E-0x	808-8030-0x	Serial + USB Reader, 24VDC, 1 to 4 Antenna ports
S4-8040E-0x-XPO	808-8040-0x-XPO	Ethernet/IP + USB Reader + Serial, 24VDC, 1 to 4 Antenna ports
S4-8050E-0x	808-8050-0x	TCPIP Ethernet + USB Reader + Serial, 24VDC, 1 to 4 Antenna ports
S4-8060E-0x	808-8060-0x	DeviceNet + USB Reader + Serial, 24VDC, 1 to 4 Antenna ports
S4-8070E-0x	808-8070-0x	Profibus + USB Reader + Serial, 24VDC, 1 to 4 Antenna ports
S4-8075E-0x	808-8070-0x	PROFINET + USB Reader + Serial, 24VDC, 1 to 4 Antenna ports
S4-8080E-0x	808-8080-0x	Modbus TCP + USB Reader + Serial, 24VDC, 1 to 4 Antenna ports
S4-8085E-0x	808-8085-0x	Modbus RTU + USB Reader + Serial, 24VDC, 1 to 4 Antenna ports

Antenna Part Numbers

Model Number	Part Number	Description
UHF-A3205C	719-0032-.5C	32mm diameter x 5mm tall, ABS Antenna, 0.5dBi, SMA connector
UHF-A32M05C-Hex	719-0032-.5C-Hex	32mm diameter x 5mm tall, ABS Antenna, 0.5dBi, SMA connector, hex nut mount
UHF-A4030C	719-4030-.5C	40x30x13mm, ABS Antenna, 0.5dBi, mounting ears, SMA connector
UHF-A06C	719-0006-2C	6" Dual Whip Antennas, 2dBi, SMA connector
UHF-A4716C	719-4716-02C	47mm dia x 16mm thick, ABS, 2dBi, SMA male connector on 8" RG174 cable, hex nut mount
UHF-A115226C	719-115226-C	115x22x6mm with 40cm cable, sticky back, 2.5dBi, SMA connector
UHF-A115226C-MCX	719-115226-C-MCX	115x22x6mm with 40cm cable, sticky back, 2.5dBi, MCX connector
UHF-A25C	719-2525-02C	25x25x4mm Ceramic Antenna on 35mm backplane, 2dBi, mounting holes, SMA connector
UHF-A36C	719-3636-02C	36x36x4mm Ceramic Antenna on 40mm backplane, 2dBi, mounting holes, SMA connector
UHF-A45C	719-4545-03C	45x45x6mm Ceramic Antenna on 65mm backplane, 3dBi, mounting holes, SMA connector
UHF-A64C	719-6464-04C	64x64x6mm Ceramic Antenna on 65mm backplane, 4dBi, mounting holes, SMA connector
UHF-A80C	719-8080-55C	80x80x6mm Ceramic Antenna on 120mm backplane, 5.5dBi, mounting holes, SMA conn.
UHF-A80C-08	719-8080-08C	80x80x6mm Ceramic Antenna on 120mm backplane, 8dBi, mounting holes, SMA conn.
UHF-A55V	719-0505-02V	4.5" x 4.75" x 0.08", 2dBi, PCB, Vertical Polarized, 4 mounting holes, N Conn., 5' cable
UHF-A55C	719-0505-55C	5" x 5" x 0.75", 5.5dBi, Circular Polarized, ASA plastic, SMA Connector
UHF-A78R	719-0708-07C	7" x 8" x 1.75", 7dBi, Circular Polarized, mounting bracket, N Connector
UHF-A78V	719-0708-07V	7" x 8" x 1.75", 7dBi, Linear Vertical Polarized, mounting bracket, N Connector
UHF-A78H	719-0708-07H	7" x 8" x 1.75", 7dBi, Linear Horizontal Polarized, mounting bracket, N Connector
UHF-A99C	719-0909-09C	9.75" x 8.5" x 2.5", 9dBi, Circular Polarized, mounting bracket, N Connector
UHF-A99V	719-0909-09V	9.75" x 8.5" x 2.5", 9dBi, Linear Vertical Polarized, mounting bracket, N Connector
UHF-A99H	719-0909-09H	9.75" x 8.5" x 2.5", 9dBi, Linear Horizontal Polarized, mounting bracket, N Connector
UHF-A18C	719-1818-12C	18" sq. Ant x 1.25", 12dBi, Circular Polarized, mounting bracket, N Connector
UHF-A18V	719-1818-12V	18" sq. Ant x 1.25", 12dBi, Linear Vertical Polarized, mounting bracket, N Connector
UHF-A18H	719-1818-12H	18" sq. Ant x 1.25", 12dBi, Linear Horizontal Polarized, mounting bracket, N Connector
UHF-A3304	719-3304-12H	33" x 4" x 1", 12dBi, Linear Polarized, SMA connector

Model SPR/A18 Single Piece Reader/Antenna – 12.5dBi



Physical & Electrical:	Dimensions (Housing Only)	17.7" x 17.7" x 3.54"	450mm x 450mm x 90mm
	Weight (w/o mounting brackets)	4.4 lb.	2 kg
	Antenna Front Body	Radome, ABS w/UV Protection	Aluminum Back Plate
	Reader Rear Body	Aluminum	Bottom Cable Gland
	Voltage & Draw	8VDC to 28VDC	1.2 Amps

Read Range:	Up to 30 meters, Tag dependent

Certifications:	FCC, ETSI, CE, RoHS, UL294
	EPC Gen-2 ISO 18000-6 Standard

Antenna RF:	C denotes Circular Polarized H denotes Horizontal Polarized V denotes Vertical Polarized
	Gain = 12dBi Horizontal Beam Width 45° Vertical Beam Width 45°
Reader RF:	902-928 MHz North America 865.6-867.6 MHz Europe & others
	FHSS (Frequency Hopping Spread Spectrum)
	Up to 4W (30 DBM) TPO (Total Power Output)
	Reader DBM can be lowered through software command to adjust range

Extras:	Relay 60VADC @ 350mA (NO) and Loop Detector (Input)
	Adjustable Internal Beeper

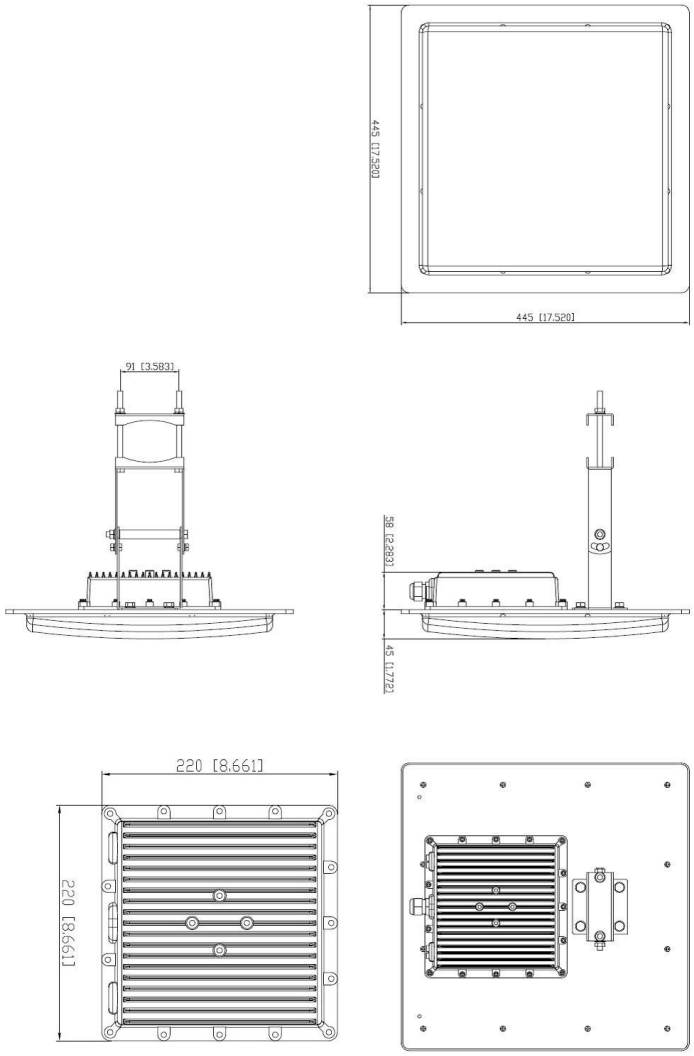
Environmental:	Temperature, Storage:	-67° to +185°F	-55° to +85°C
	Temperature, Operating:	-40° to +131°F	-40° to +55°C
	Ingress Protection:	IP65 or IP67 with added sealant	

Comms:	Standard on all models:	USB and Serial	(default 115.2k, 8, 1, N)
	Allen Bradley:	Ethernet/IP	DeviceNet
	Siemens:	Profibus	Profinet
	Modicon:	Modbus RTU	Modbus TCP
	Other:	TCPIP Ethernet	CAN Open (TBR)

UHF Readers Made in the U.S.A.

Single Piece Reader/Antenna Part Numbers

Model Number	Part Number	Description
Choose C, V or H	Choose C, V, or H	
SPR/A18-8030E-12C/V/H	818-8030-18-12C/V/H	Single Piece Reader/Antenna combo, 18" sq., Serial/USB, 12dBi
SPR/A18-8040E-12C/V/H	818-8040-18-12C/V/H	Single Piece Reader/Antenna combo, 18" sq., Ethernet/IP/USB/Serial, 12dBi
SPR/A18-8050E-12C/V/H	818-8050-18-12C/V/H	Single Piece Reader/Antenna combo, 18" sq., TCPIP/USB/Serial, 12dBi
SPR/A18-8060E-12C/V/H	818-8060-18-12C/V/H	Single Piece Reader/Antenna combo, 18" sq., DeviceNet/USB/Serial, 12dBi
SPR/A18-8070E-12C/V/H	818-8070-18-12C/V/H	Single Piece Reader/Antenna combo, 18" sq., Profibus/USB/Serial, 12dBi
SPR/A18-8075E-12C/V/H	818-8075-18-12C/V/H	Single Piece Reader/Antenna combo, 18" sq., Profinet/USB/Serial, 12dBi
SPR/A18-8080E-12C/V/H	818-8080-18-12C/V/H	Single Piece Reader/Antenna combo, 18" sq., Modbus TCP/USB/Serial, 12dBi
SPR/A18-8085E-12C/V/H	818-8085-18-12C/V/H	Single Piece Reader/Antenna combo, 18" sq., Modbus RTU/USB/Serial, 12dBi



Model SPR/A10 Single Piece Reader/Antenna – 9dBi



Physical & Electrical:	Dimensions (Housing Only)	10.15" x 10.15" x 3.82"	258mm x 258mm x 97mm
	Weight (w/o mounting brackets)	4 lb.	1.8 kg
	Antenna Front Body	Radome, ABS w/UV Protection	Aluminum Back Plate
	Reader Rear Body	Aluminum	Bottom Cable Gland
	Voltage & Draw	8VDC to 28VDC	1.2 Amps

Read Range:	Up to 25 meters, Tag dependent

Certifications:	FCC, ETSI, CE, RoHS, UL294
	EPC Gen-2 ISO 18000-6 Standard

Antenna RF:	C denotes Circular Polarized H denotes Horizontal Polarized V denotes Vertical Polarized
	Gain = 9dBi Horizontal Beam Width 60° Vertical Beam Width 65°
Reader RF:	902-928 MHz North America 865.6-867.6 MHz Europe & others
	FHSS (Frequency Hopping Spread Spectrum)
	Up to 4W (30 DBM) TPO (Total Power Output)
	Reader DBM can be lowered through software command to adjust range

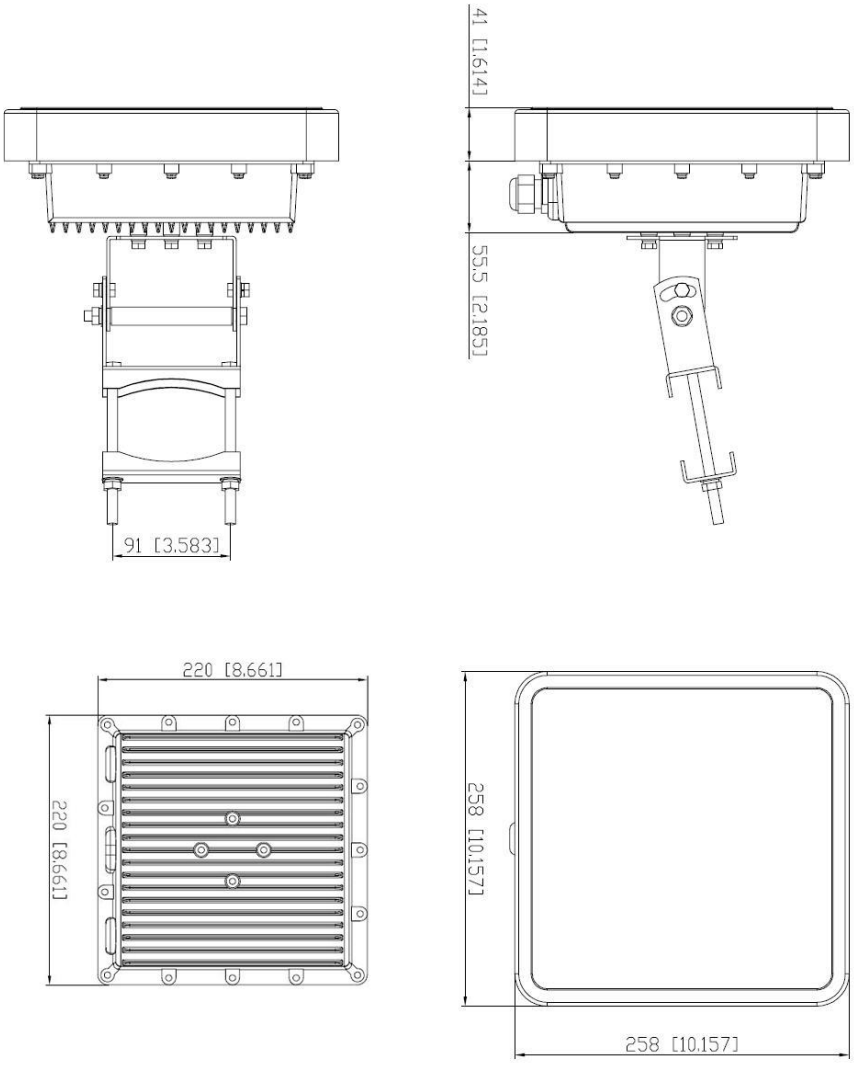
Extras:	Relay (pins internal) 60VADC @ 350mA (NO) and Loop Detector (Input)
	Adjustable Internal Beeper

Environmental:	Temperature, Storage:	-67° to +185°F	-55° to +85°C
	Temperature, Operating:	-40° to +131°F	-40° to +55°C
	Ingress Protection:	IP65 or IP67 with added sealant	

Comms:	Standard on all models:	USB and Serial	(default 115.2k, 8, 1, N)
	Allen Bradley:	Ethernet/IP	DeviceNet
	Siemens:	Profibus	Profinet
	Modicon:	Modbus RTU	Modbus TCP
	Other:	TCPIP Ethernet	CAN Open (TBR)

Single Piece Reader/Antenna Part Numbers

Model Number	Part Number	Description
Choose C, V or H	Choose C, V, or H	
SPR/A10-8030E-9C/V/H	818-8030-10-9C/V/H	Single Piece Reader/Antenna combo, 10" sq., Serial/USB, 9dBi
SPR/A10-8040E-9C/V/H	818-8040-10-9C/V/H	Single Piece Reader/Antenna combo, 10" sq., Ethernet/IP/USB/Serial, 9dBi
SPR/A10-8050E-9C/V/H	818-8050-10-9C/V/H	Single Piece Reader/Antenna combo, 10" sq., TCPIP/USB/Serial, 9dBi
SPR/A10-8060E-9C/V/H	818-8060-10-9C/V/H	Single Piece Reader/Antenna combo, 10" sq., DeviceNet/USB/Serial, 9dBi
SPR/A10-8070E-9C/V/H	818-8070-10-9C/V/H	Single Piece Reader/Antenna combo, 10" sq., Profibus/USB/Serial, 9dBi
SPR/A10-8075E-9C/V/H	818-8075-10-9C/V/H	Single Piece Reader/Antenna combo, 10" sq., Profinet/USB/Serial, 9dBi
SPR/A10-8080E-9C/V/H	818-8080-10-9C/V/H	Single Piece Reader/Antenna combo, 10" sq., Modbus TCP/USB/Serial, 9dBi
SPR/A10-8085E-9C/V/H	818-8085-10-9C/V/H	Single Piece Reader/Antenna combo, 10" sq., Modbus RTU/USB/Serial, 9dBi



Model 3048E Hand Held UHF Reader/Writer - 865.5 to 928 MHz



Physical & Electrical:	Dimensions	6.44 x 3.37 x 5.77	163.5mm x 85.7mm x 146.5mm
	Weight	18.3 ounces	520 grams
	Battery Duration	10 hours	
	Battery	Rechargeable Lithium Ion	3.7V 2500 mA

Tag Range:	Read: Up to 5 meters (16.5 feet) Write: Up to 1.5 meters (4.9 feet)

Certifications:	FCC, ETSI, CE, RoHS, UL294, REACH, WEEE, ErP, NCC, SRRC, JRL, RCM(AU)
	EPC Gen-2 UHF Global ISO 18000-6 Standard

Internal:	CPU – ARM Cortex-M3 32 bit
	Memory – 4MB
Reader RF:	902-928 MHz North America 865.5-867.5 MHz Europe & others
	FHSS (Frequency Hopping Spread Spectrum)
	Up to 4W (30 DBM) TPO (Total Power Output)

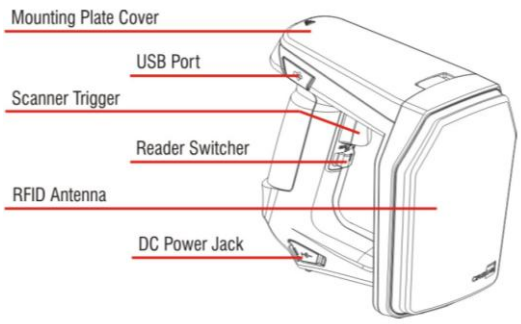
Extras:	2 function keys, 1 trigger key, 1 toggle switch
	Internal beeper, vibrator, tri-color LED's
Acccessories:	Battery charger, 2 batteries, micro USB cable, all standard

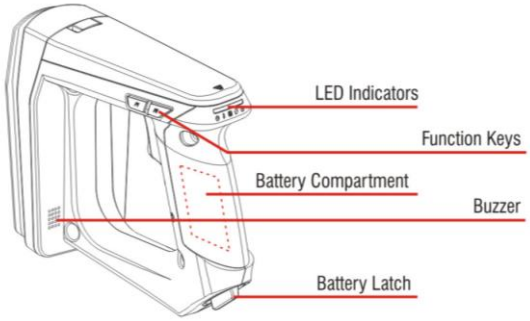
Environmental:	Temperature, Storage	-22° to 158°F	-30° to 70°C
	Temperature, Operating	14° to 122°F	-40° to 55°C
	Ingress Protection	IP64	
	Humidity	Storage 5% to 95%	Operating 10% to 90%
	Drop Tests	1.5m onto concrete (100x)	1m tumble onto concrete (1000x)

Comms:	USB	Virtual COM	
	Bluetooth	SPP Slave	Master, HID
	WPAN	Bluetooth V4.0 dual mode	2.1 + EDR/BLE

Model 3048E Hand Held UHF Reader/Writer - 865.5 to 928 MHz

Model Number	Part Number	Description
3048E	806-0068-00	Model 3048E Hand Held Mobile Reader/Writer (2 batteries & charger included)
3048E-AND	806-0068-00-AND	Android
3048E-MNT	806-0068-00-MNT	Android Mounting Hardware
3048E-BAT	806-0068-00-BAT	Battery (2 each standard with Reader)
3048E-CHG	806-0068-00-CHG	Charger (1 each standard with Reader)

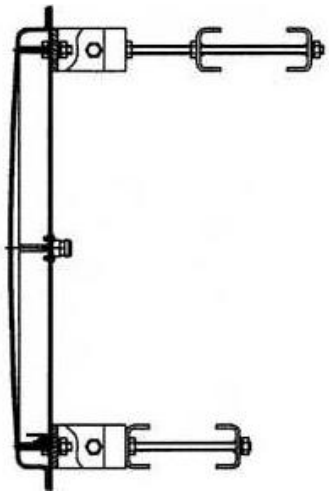






Antennas

Model UHF-A18C



Model UHF-A18H



Model UHF-A18V



Physical:	Dimensions (Housing Only):	18" x 18" x 1.4"	450mm x 450mm x 35mm
	Weight (w/mounting hardware):	10 lbs.	4.5 KG
	Connector:	N Type (Female)	

RF Characteristics:	C denotes Circular Polarized	H denotes Horizontal Polarized	V denotes Vertical Polarized
		Horizontal 3D Beam 43° +/-5°	Vertical 3D Beam 38° +/-2°
	Gain:	12dBi	

Electrical:	Impedance:	50Ω	
	Lightening Protection:	Direct Ground	

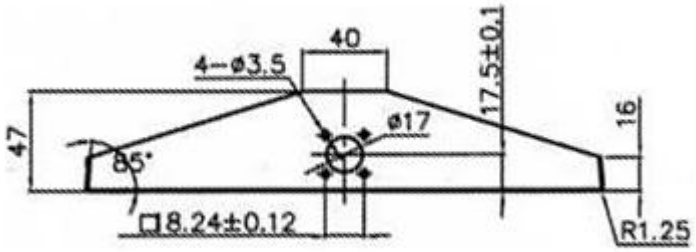
Materials:	Cover	ABS	
	Back Plate	Aluminum	
	Mounting Brackets	Metal	

Environmental:	Temperature, Storage:	-94°F to +176°F	-70°C to +80°C
	Temperature, Operating:	-94°F to 131°F	-70°C to +55°C
	Ingress Protection:	IP-65 Non-condensing	

Part Numbers:	**915 MHz (USA**	**865-868 MHz (Euro)**	
	719-1818-12C	719-1818-12C-EU	
	719-1818-12V	719-1818-12V-EU	
	719-1818-12H	719-1818-12H-EU	

Antennas **Model UHF-A99C** **Model UHF-A99H** **Model UHF-A99V**





Physical:	Dimensions (Housing Only):	9.75" x8.5" x2.25"	242mm x 238mm x 60mm
	Weight (w/mounting hardware):	2.3 lbs.	1 KG
	Connector:	N Type (Female)	

RF Characteristics:	C denotes Circular Polarized	H denotes Horizontal Polarized	V denotes Vertical Polarized
		Horizontal 3D Beam 65° +/-5°	Vertical 3D Beam 60° +/-2°
	Gain:	9dBi	

Electrical:	Impedance:	50Ω	
	Lightening Protection:	Direct Ground	

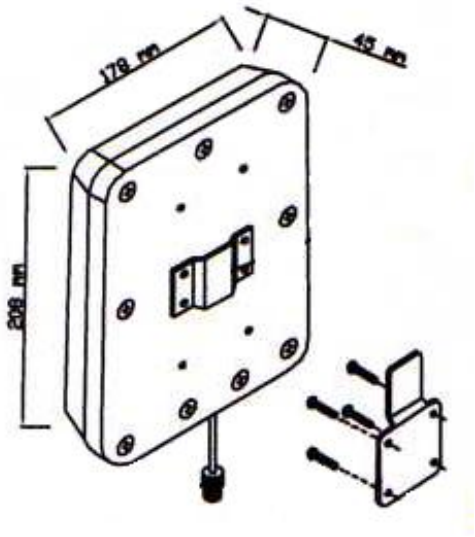
Materials:	Cover	ABS	
	Back Plate	Aluminum	
	Mounting Brackets	Metal	

Environmental:	Temperature, Storage:	-94°F to +176°F	-70°C to +80°C
	Temperature, Operating:	-94°F to 131°F	-70°C to +55°C
	Ingress Protection:	IP-53 Non-condensing	

Part Numbers:	**915 MHz (USA)**	**865-868 MHz (Euro)**	
	719-0909-09C	719-0909-09C-EU	
	719-0909-09V	719-0909-09V-EU	
	719-0909-09H	719-0909-09H-EU	

Antennas **Model UHF-A78C** **Model UHF-A78H** **Model UHF-A78V**





Physical:	Dimensions:	7" x 8.2" x 1.77"	208mm x 178mm x 45mm
	Weight:	11 oz.	308 grams
	Connector:	N Type (Female)	

RF Characteristics:	C denotes Circular Polarized	H denotes Horizontal Polarized	V denotes Vertical Polarized
		Horizontal 3D Beam 70° +/-5°	Vertical 3D Beam 50° +/-2°
	Gain:	7dBi	

Electrical:	Impedance:	50Ω	
	Lightening Protection:	Direct Ground	

Materials:	Cover	ABS	
	Back Plate	Aluminum	
	Mounting Bracket	Aluminum	

Environmental:	Temperature, Storage:	-94°F to +176°F	-70°C to +80°C
	Temperature, Operating:	-94°F to 131°F	-70°C to +55°C
	Ingress Protection:	IP-53 Non-condensing	

Part Numbers:	**915 MHz (USA)**	**865-868 MHz (Euro)**	
	719-0708-07R	719-0708-07R-EU	
	719-0708-07V	719-0708-07V-EU	
	719-0708-07H	719-0708-07H-EU	

Antenna Model UHF-A3304-12H



Physical:	Dimensions:	33" x 4" x 1"	833mm x 97mm x 29mm
	Weight:	2 lbs.	920 grams
	Connector:	SMA	

RF Characteristics:	C denotes Circular Polarized	H denotes Horizontal Polarized	V denotes Vertical Polarized
		Horizontal 3D Beam 60° +/-5°	Vertical 3D Beam 30°
	Gain:	10dBi	

Electrical:	Impedance:	50Ω	
	Lightening Protection:	Direct Ground	

Materials:	Cover	GFRP	
		(Glass Fiber Reinforced Polymer)	

Environmental:	Temperature, Storage:	-94°F to +176°F	-70°C to +80°C
	Temperature, Operating:	-94°F to 131°F	-70°C to +55°C
	Ingress Protection:	IP-65 Non-condensing	

Part Numbers:	**915 MHz (USA)**	**865-868 MHz (Euro)**	
	719-3304-12H-10	719-3304-12H-10-EU	

Antenna Model UHF-A55C



Physical:	Dimensions:	5" x 5" x 0.79"	128mm square x 20mm
	Weight (with cable):	8.4 oz.	238 grams
	Connector:	SMA female	

RF Characteristics:	Polarization:	Circular	100° Horizontal Beam
	Gain:	5.5dBi	

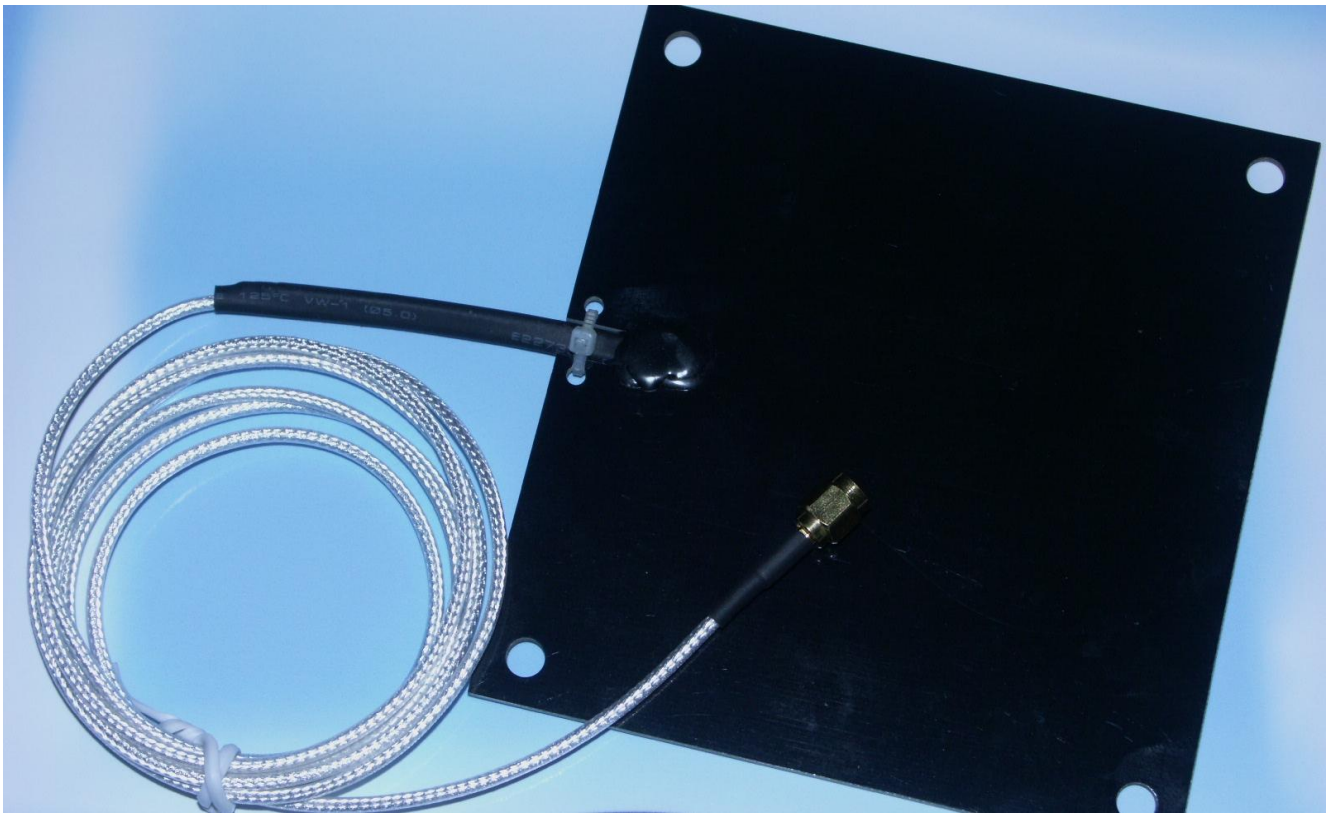
Electrical:	Impedance:	50Ω	
	Lightening Protection:	Direct Ground	

Material:		ASA with UV Protection	Ultra Heavy Duty

Environmental:	Temperature, Storage:	-94°F to +176°F	-70°C to +80°C
	Temperature, Operating:	-94°F to 167°F	-70°C to +75°C
	Ingress Protection:	IP-65 Non-condensing	

Part Numbers:	**915 MHz (USA)**	**865-868 MHz (Euro)**	
	719-0505-55C	719-0505-55C-EU	

Antenna **Model UHF-A55V**



Physical:	Dimensions:	4.75" x 4.735" x 0.0625"	120mm X 112mm x 2mm
	Weight (with cable):	2.4 oz.	70 grams
	Connector:	SMA	

RF Characteristics:	V denotes Vertical Polarization	Horizontal Beam 360°	Vertical Beam 62° +/-2°
	Gain:	2dBi	

Electrical:	Impedance:	50Ω	
	Lightening Protection:	Direct Ground	

Material:	FR4		

Environmental:	Temperature, Storage:	-94°F to +176°F	-70°C to +80°C
	Temperature, Operating:	-94°F to 167°F	-70°C to +75°C
	Ingress Protection:	IP-53 Non-condensing	

Part Numbers:	**915 MHz (USA)**	**865-868 MHz (Euro)**	
	719-0505-02V	719-0505-02V-EU	

Model UHF-A115226-C

Antennas

Model UHF-A4716-C





Physical:		A115226-C	A4716-C
	Dimensions:	4.53" x 0.87" x 0.24"	1.85" dia. x .63" thick
		115mm x 22mm x 6mm	47mm dia. x 16mm thick
	Weight:	0.7 oz. – 19 grams	1.4 lbs. - .635 kg
	Connector:	SMA or MMCX	SMA or MMCX
	Cable:	RG-174 16 inches	RG-174 8 inches
	Mounting:	Epoxy or glue	Rear hex mount

RF Characteristics:	C denotes Circular Polarization		
	Gain:	A115226-C = 2.5dBi	A4716-C = 2dBi

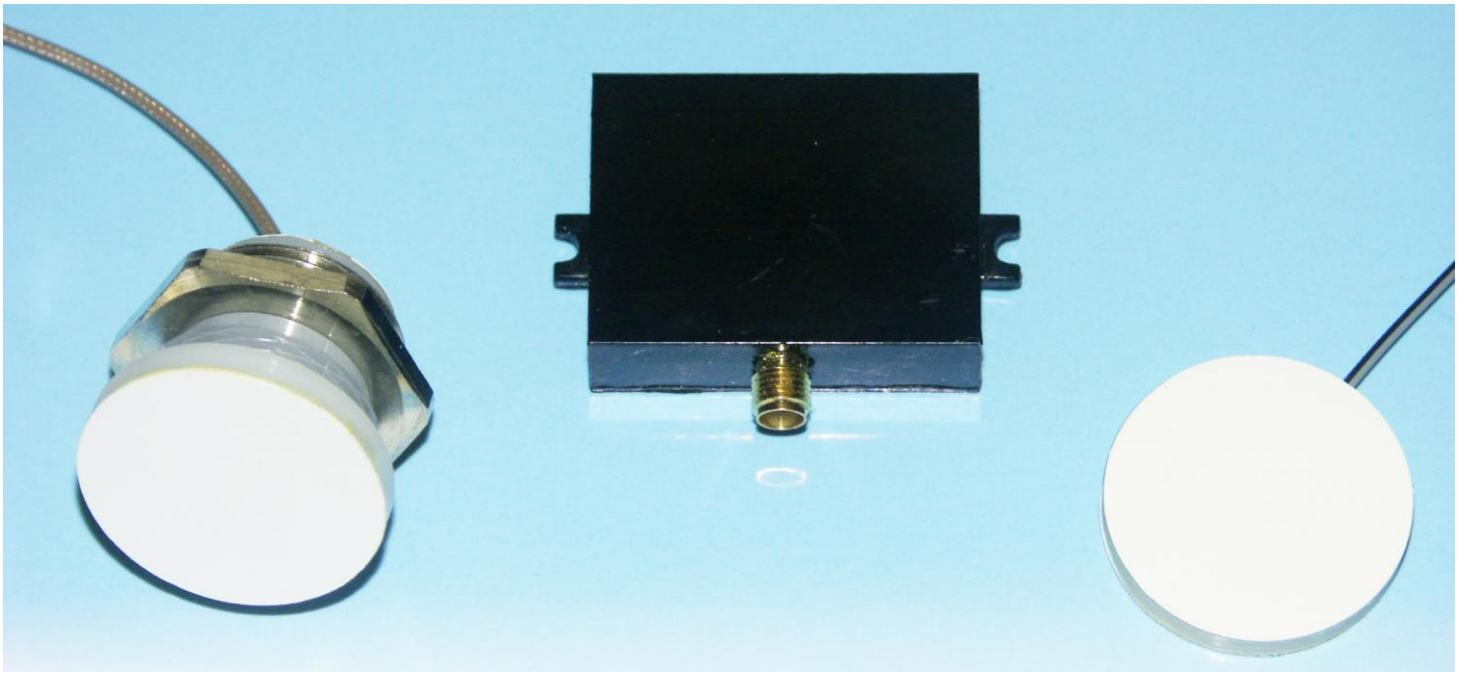
Electrical:	Impedance:	50Ω	
	Lightening Protection:	Direct Ground	

Material:		A115226-C = PPS	A4716-C = ABS

Environmental:	Temperature, Storage:	-94°F to +176°F	-70°C to +80°C
	Temperature, Operating:	-94°F to 167°F	-70°C to +75°C
	Ingress Protection:	A115226-C = IP-53	A4716-C = up to IP67

Part Numbers:	915 MHz (USA)	865-868 MHz (Euro)	
	719-4716-02C	719-4716-02C-EU	
	719-115226-C	719-115226-C-EU	

Antenna Models (left to right) **UHF-A32M05C** **UHF-A4030C** **UHF-A3205C**



	Dimensions:	Gain:	Cable:
Model A32M05C	32 x 54mm (M25 hex nut)	0.5dBi	RG178
Model A4030C	40 x 30 x 13mm (dog ears)	0.5dBi	RG178
Model A3205C	32 x 5mm (sticky backing)	0.5dBi	RG178

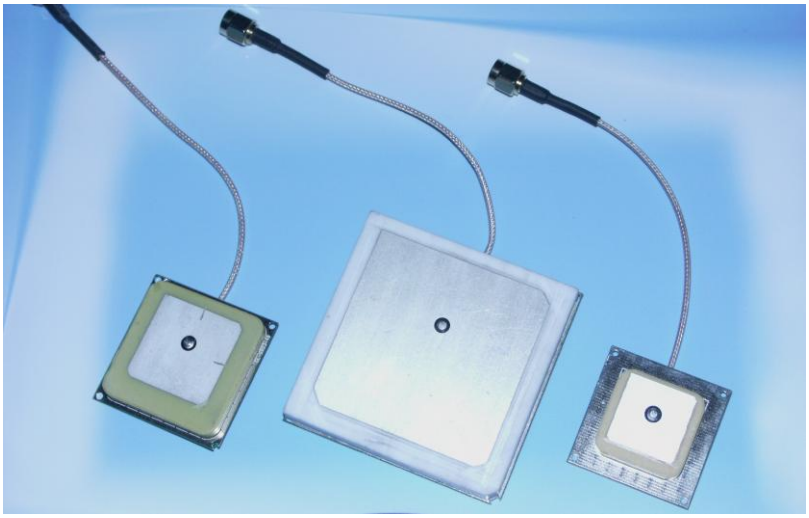
Physical:	Polarization:	C denotes Circular Polarized	
	Connector:	SMA	
	Materials:	ABS	

Electrical:	Impedance:	50Ω	
	Lightening Protection:	Direct Ground	

Environmental:	Temperature, Storage:	-94°F to +176°F	-70°C to +80°C
	Temperature, Operating:	-94°F to 131°F	-70°C to +55°C
	Ingress Protection:	IP-67	

Part Numbers:	**915 MHz (USA)**	**865-868 MHz (Euro)**	
Model A32M05C	719-3205-.5C-Hex	719-3205-.5C—Hex-EU	
Model A4030C	719-4030-.5C	719-4030-.5C-EU	
Model A3205C	719-3205-.5C	719-3205-.5C-EU	

Antenna Models UHF-A25C UHF-A36C UHF-A45C UHF-A64C UHF-A80C



	Dimensions:	Gain:	
Model A25C	25 x 25 x 4mm on 35mm backing	2dBi	
Model A36C	36 x 36 x 4mm on 40mm backing	2dBi	
Model A45C	45 x 45 x 6mm on 65mm backing	3dBi	
Model A64C	64 x 64 x 6mm on 65mm backing	4dBi	
Model A80C	80 x 80 x 6mm on 120mm backing	5.5dBi	

Physical:	Polarization:	C denotes Circular Polarized	
	Connector:	SMA	
	Materials:	Ceramic on Aluminum Back	

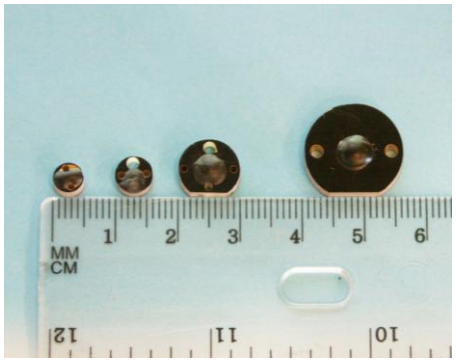
Electrical:	Impedance:	50Ω	
	Lightening Protection:	Direct Ground	

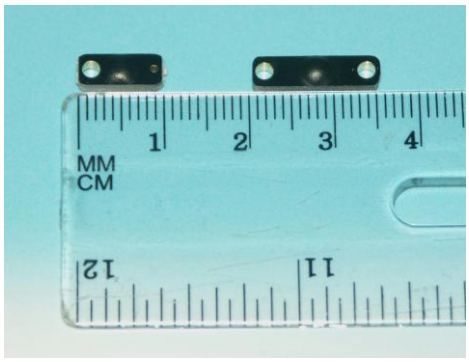
Environmental:	Temperature, Storage:	-94°F to +176°F	-70°C to +80°C
	Temperature, Operating:	-94°F to 131°F	-70°C to +55°C
	Ingress Protection:	IP-65	

Part Numbers:	**915 MHz (USA)**	**865-868 MHz (Euro)**	
Model A25C	719-2525-02C	719-2525-02C-EU	
Model A36C	719-3636-02C	719-3636-02C-EU	
Model A45C	719-4545-03C	719-4545-03C-EU	
Model A64C	719-6464-04C	719-6464-04C-EU	
Model A80C	719-8080-55C	719-8080-55C-EU	

FR4 Pallet Tags





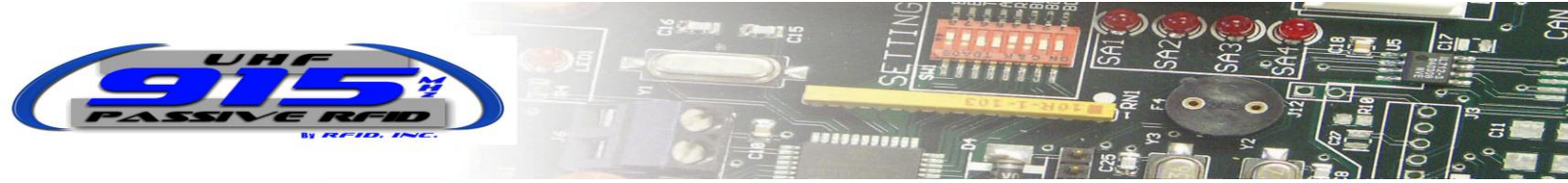


Model Number	Part Number	Description (All Read Ranges Stats On Metal)	Read Range A99H 9dBi	Read Range A55C 5.5dBi	Read Range A64C 4dBi
F05	807-0001-F05	5mm diameter x 4mm w/mounting holes	30"	9"	5"
F10	807-0001-F10	10mm diameter x 4mm w/mounting holes	32"	24"	14"
F16	807-0001-F16	16mm diameter x 4mm w/mounting holes	12'	50"	30"
F40	807-0001-F40	40mm diameter x 4mm w/mounting holes	14'	7'	3"
F0603	807-0001-F0603	6x03mm w/mounting hole	6"	3"	1"
F1004	807-0001-F1004	10x04mm w/mounting hole	4.5'	9"	16"
F1504	807-0001-F1504	15x04mm w/mounting holes	5'	20"	24"
F1806	807-0001-F1806	18x06mm, peel & stick backing	36"	15"	35"
F2208	807-0001-F2208	22x08mm, peel & stick backing	13'	34"	34"
F3613	807-0001-F3613	36x13mm, peel & stick backing	15'	5'	4'
F5313	807-0001-F5313	53x13mm, peel & stick backing	20'	5'	4'
F6604	807-0001-F6604	66x04mm, peel & stick backing, w/mnt holes	20'	5'	4'
F7020	807-0001-F7020	70x20mm, peel & stick backing, w/mnt holes	23'	13'	7'
F9005	807-0001-F9005	90x05mm, peel & stick backing, w/mnt holes	15'	6'	5'
F9008	807-0001-F9008	90x08mm, peel & stick backing, w/mnt holes	15'	6'	5'
F9011	807-0001-F9011	90x11mm, peel & stick backing, w/mnt holes	21'	5.5'	5'
F9525	807-0001-F9525	95x25mm, peel & stick backing, w/mnt holes	25'	13'	8'
F11009	807-0001-F11009	110x09mm, P&S, w/mnt holes, not for metal	30'	18'	12'

Memory:	Sizes (chip dependent):	96, 128, 512, 1k, 2k, 8k bits	100k write cycles max
	Standard:	EPC Class1 Gen2	ISO 18000-6C
	Frequency:	902 – 928 MHz (North America)	860 – 870 MHz (EU, Japan)

Mechanical:	Tag Material:	FR4	
	Sticker:	3M9495LE	

Environmental:	Temp, Tag, Storage:	-40°F to +392°F	-40°C to +200°C
	Temp, Sticker:	-40°F to +302°F	-40°C to +150°C
	Ingress Protection:	IP68	



ABS Pallet Tags

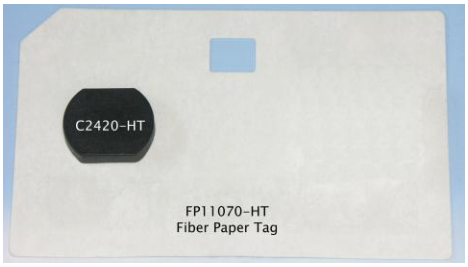




Model Number	Part Number	Description - M = Metal Mount MG = Magnetic HT = High Temp	Read Range A99H 9dBi	Read Range A55C 5.5dBi	Read Range A64C 4dBi
A20	807-0002-A20	ABS, yellow, 20mm diameter x 2.5mm	6"	6"	3"
A5252M	807-0002-A5252M	ABS, Metal Mount, Light Grey, 52x52x10mm, w/mounting holes	10' on Metal 1' Free Air'	4.5' on Metal 10" Free Air	2' on Metal 4" Free Air
A5316M	807-0002-A5316M	ABS, Metal Mount, Light Grey, 53x16x9mm, w/mounting holes	22' on Metal 2' Free Air	8' on Metal 1' Free Air	4' on Metal 3" Free Air
A5316M-MG	807-0002-A5316M-MG	ABS, Metal Mount, 53x16x9mm, mounting holes & magnetic	26' on Metal 2' Free Air	12' on Metal 1' Free Air	8' on Metal 3" Free Air
A5208	807-0002-A5208	ABS Round Tag, 52mm dia. x 8mm	8'	5'	2'
A6332-TANK	807-0002-A6332	ABS Orange Tank Tag, Metal Mount 63x32x10mm, peel & stick	23' on Metal 17' Free Air	8' on Metal 6' Free Air	3' on Metal 3' Free Air
A7931M	807-0002-A7931M	ABS, Metal Mount, Dark Grey, 79x31x9mm, w/mounting holes	4' on Metal 6' Free Air	4' on Metal 2' Free Air	1' on Metal 10" Free Air
A10324M	807-0002-10324M	ABS, Metal Mount, Dark Grey, 103x24x8mm, w/mounting holes	11' on Metal 15' Free Air	6' on Metal 10' Free Air	3' on Metal 4' Free Air
A11732	807-0002-A11732	ABS, Dark Grey, 117x32x8mm, w/holes	17'	10'	3'
A13520M	807-0002-A13520M	ABS, Metal Mount, Blue, 135x20x15mm, w/mounting holes	13' on Metal 30' Free Air	7' on Metal 12' Free Air	3' on Metal 8' Free Air
A15023M	807-0002-A15023M	ABS, Metal Mount, Light Grey, 150x23x18mm, w/mounting holes	13' on Metal 31' Free Air	10' on Metal 13' Free Air	6' on Metal 10' Free Air
A15023M-HT	807-0002-A15023M-HT	ABS, Black, 150x23x18mm, w/mounting holes, High Temp 200c	13' on Metal 31' Free Air	10' on Metal 13' Free Air	6' on Metal 10' Free Air
A15532M	807-0002-A15532M	ABS, Metal Mount, Dark Grey, 155x32x10mm, w/mounting holes	36' on Metal 31' Free Air	12' on Metal 9' Free Air	8' on Metal 5' Free Air
A20030M	807-0002-A20030M	ABS, Metal Mount, Dark Grey, 200x30x10mm, w/mounting holes			

Memory:	Sizes (chip dependent):	96, 128, 512, 1k, 2k, 8k bits	100k write cycles max
	Standard:	EPC Class1 Gen2	ISO 18000-6C
	Frequency:	902 – 928 MHz (N. America)	865 – 867 MHz (EU)
Mechanical:	Tag material:	ABS	
Environmental:	Temperature:	-40°F to +185°F	-40°C to +85°C
	Ingress Protection:	IP67 & IP68, Tag dependent	

High Temperature Tags

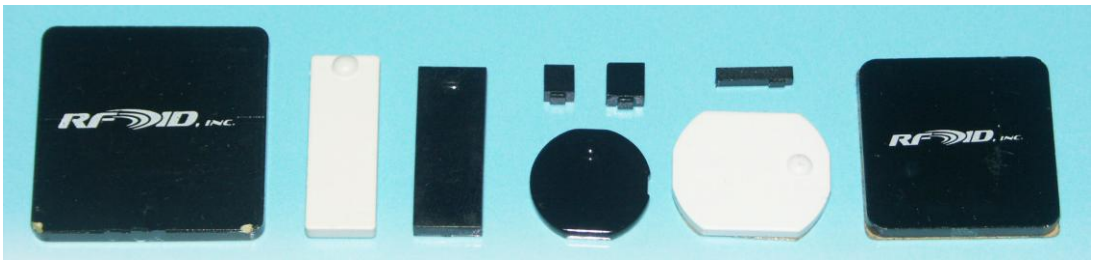






Model Number	Part Number	Description	Read Range A99H 9dBi	Read Range A55C 5.5dBi	Read Range A64C 4dBi
Fxxxx	See page 19	All FR4 Tags can survive 200°C (392°F) indefinite	See	Page	18
Cxxxx	See page 22	All Ceramic Tags can survive 230°C (392°F) indefinite	See	Page	21
C2420-HT	807-0004-C2420-HT	Ceramic w/PPA housing, 24x20mm, High Temp 200°C 10 hours, 230°C 1 hour	16’ on Metal 7’ Free Air	13’ on Metal 5’ Free Air	2’ on Metal 20” Free Air
A15023-HT (page 20)	807-0002-A15023-HT	ABS, Metal Mount, Black, 150x23x18mm, w/mounting holes, High Temp 200°C 1 hour	13' on Metal 31' Free Air	10' on Metal 13' Free Air	6' on Metal 10' Free Air
FP11070-HT	807-0021-11070-HT	Fibrous Paper Tag, 110mm x 70mm x 0.2mm, 230°C 1 hour	29’	10’	5’
FPC7111	807-0013-FPC7111	Model FPC7111-H3, FPC flexible Tag, no sticky backing, 71x11mm, 200C standard, 280C/50min	47’	9’	3’
PTFE-4215M	807-0001-P4215M	Model PTFE-4215M-H4 Metal Mountable PTFE coating, 42x15x2mm 280C/50min 250C/150min 180C/10hrs	9’ on Metal 7’ Free Air	4’ on Metal 2’ Free Air	10” on Metal 2” Free Air
A3522-HT	807-0021-A3522-HT	ABS/Nylon High Temp 300°C Tag, Metal Mount, charcoal, 35x22x17mm	10’ on Metal	8’ on Metal	4’ on Metal
A5027M-HT	807-0002-A5027M-HT	ABS/Nylon High Temp 300°C Tag, Metal Mount, charcoal, 50x27x17mm	12' on Metal	11' on Metal	6' on Metal
A7628M-HT	807-0002-A7628M-HT	ABS/Nylon High Temp 300°C Tag, Metal Mount, charcoal, 76x28x17mm	12' on Metal	11' on Metal	6' on Metal
W2525M-HT	807-0016-W2525M-HT	Weldable Metal Mount High Temp 200°C Tag, 25x25x13mm	11’ on Metal	7’ on Metal	15” on Metal
W2919M-HT	807-0002-W2919-HT	Weldable Metal Mount High Temp 200°C Tag, 29x19x13mm	12’ on Metal	9’ on Metal	18” on Metal
W3825M-HT	807-0016-W3825M-HT	Weldable Metal Mount High Temp 200°C Tag, 38x25x13mm	10' on Metal	5' on Metal	3' on Metal
W5944M-HT	807-0016-W5944M-HT	Weldable Metal Mount High Temp 300°C Tag, 59x44x15mm	9' on Metal	7' on Metal	6' on Metal
W6154M-HT	807-0016-W6154M-HT	Weldable Metal Mount High Temp 400°C Tag, 61x54x17mm	5' on Metal	4' on Metal	4' on Metal
S240-HT	807-0017-S240-HT	Eyelet Strap High Temp 250°C Tag, clear Teflon, 240mm length x 7.86mm dia.	20' on Metal	16' on Metal	6' on Metal

Ceramic Metal Mount Tags



Model Number	Part Number	Description	Read Range A99H 9dBi	Read Range A55C 5.5dBi	Read Range A64C 4dBi
			↓ All Read	Range Stats	On Metal ↓
C0202	807-0004-C0202	Ceramic, 1.8x1.8x10mm stick, 230°C	0	0	0 2" w/A25C
C0404	807-0004-C0404	Ceramic, 4x4x3mm cube, 230°C	24"	16"	6"
C0505	807-0004-C0505	Ceramic, 5x5x3mm cube, 230°C	24"	18"	7"
C10	807-0004-C10	Ceramic, 10mm diameter x 2mm, 230°C	28"	18"	12"
C16	807-0004-C16	Ceramic, 16mm diameter x 3mm, 230°C	5'	30"	28"
C1309	807-0004-C1309	Ceramic, 13x9x3mm, 230°C	2'	18"	12"
C1909	807-0004-C1909	Ceramic, 19x9x3mm, 230°C	10'	20"	3'
C2420-HT	807-0004-C2420-HT (see page 15)	Model C2420-HT Ceramic Tag, High Temperature (200c/10hr, 230c/1hr)	16' on Metal 7' Free Air	13' on Metal 5' Free Air	2' on Metal 20" Free Air
C2509	807-0004-C2509	Ceramic, 25x9x3mm, 230°C	13'	20"	3'
C2525	807-0004-C2525	Ceramic, 25mm square x 3mm, 230°C	15'	4'	6'
C3030	807-0004-C3030	Ceramic, 30mm square x 3mm	17'	6'	8'
C5151-HT	807-0004-C5151-HT	High Temp Ceramic, 51x51x3mm, 320°C 5/min, 300°C 45/min, 260°C 90/min	20' Free Air	4' Free Air	3' Free Air
C20020	807-0004-C20020	High Temp Ceramic, 200x20x3mm, 320°C 5/min, 300°C 45/min, 260°C 90/min	40' Free Air	16' Free Air	12' Free Air

Memory:	Sizes (chip dependent):	96, 128, 512, 1k, 2k, 8k bits	100k write cycles max
	Standard:	EPC Class1 Gen2	ISO 18000-6C
	Frequency:	902 – 928 MHz (North America)	860 – 870 MHz (EU, Japan)

Mechanical:	Tag Material:	Ceramic	
	Sticker:	3M9495LE	

Environmental:	Temp, Storage:	-40°F to +392°F	-40°C to +200°C
	Temp, Operating:	-40°F to +302°F	-40°C to +150°C
	Ingress Protection:	IP68	

Temperature Sensing Tag:	Tag Material:	Ceramic	
	Temperature Reports:	-40°C to 145°C	

Temperature Sensing Tags







Model Number	Part Number	Description	Read Range A99H 9dBi	Read Range A55C 5.5dBi	Read Range A64C 4dBi
			↓ All Read	Range Stats	On Metal ↓
9824-TMP	807-0023-9824-TMP	Model 9824-TMP Temperature Sensing White PET Label RFID Tag, 98x24mm, NMV2D CABO memory chip	21′	6′	2′
7334-TMP	807-0023-7334-TMP	Model 7334-TMP Temperature Sensing Bus Bar Tag, fork tong metal mount, NMV2D CABO memory chip	20′	12′	1.5′

NMV2D CABO Memory:	TID – 112 bits	EPC – 192 bits	User Memory - 512 bits
RF:	Standard:	EPC Class1 Gen2	ISO 18000-6C
	Frequency:	902 – 928 MHz (North America)	860 – 870 MHz (EU, Japan)

Mechanical 9824-TMP:	Label Material:	White Thermal Transfer PET	3M9495LE Adhesive
	Weight:	0.04 ounces	1 gram
	Measurements:	98x24x1mm	3.9” x 0.94” x 0.04”
Mechanical 7334-TMP:	Tag Material:	Metal Backplane	Ceramic Interior
	Weight:	2 ounces	5.8 grams
	Measurements:	73x34x11mm	2.9” x 1.3” x .43”

Environmental 9824-TMP:	Temp, Storage:	-40°F to +185°F	-40°C to +85°C
	Temp, Operating:	-40°F to +185°F	-40°C to +85°C
	Temp, Storage:	-40°F to +302°F	-40°C to 150°C
	Temp, Operating:	-40°F to +185°F	-40°C to +85°C
	Other:	IP65 (9824) IP68 (7334)	40 year shelf life - 100k Writes

Certifications:	RoHS III	REACH	CE
	FCC Part 15 & ETSI	ATEX compliant, SIL2	Free of BBP, DEHP, DBP, DIBP

Metal Bolts Plastic Bolts Nail Tags Threaded Plugs



Model Number	Part Number	Description	Read Range A99H 9dBi	Read Range A55C 5.5dBi	Read Range A64C 4dBi
BT05 (top right)	807-0006-BT05	Metal Bolt Tag Shaft 13mm dia. x 64mm length, 20mm head Shaft 0.50" dia. x 2.5" length, 5/8" head	28"	18"	12"
BT1225 (top center)	807-0006-BT1225	Metal Bolt Tag Shaft 12mm dia. x 15mm length, 25mm head Shaft 0.50" dia. x 9/16, 1.0" head	5'	2.5'	2'
PBT2070 (top left)	807-0006-PBT2070	ABS Grey or White Bolt Tag Shaft 20mm dia. x 70mm length, 37mm head Shaft 0.75" dia. x 2.75" length, 1.25" head	2'	1'	6"
PBT1438 (orange)	807-0006-PBT1438	ABS Orange Bolt Tag 14mm diameter x 38mm length, w/nut	6"	4"	2"
ST10 (white top)	807-0006-ST10	ABS White Screw Tag Shaft 10mm dia. x 51mm length, 13mm head Shaft 7/16" dia. x 2" length, 0.50" head	6"	2'	3"
ST1208	807-0006-ST1208	ABS Threaded Black Plug Tag 12mm diameter x 8mm tall	0	0	0 1" w/A25C
ST3015 (bot. right)	807-0006-ST3015	ABS Threaded Black Plug Tag 30mm diameter x 15mm tall	7'	3'	2'
N4209	807-0006-N4209	Plastic Nail Tag, black, 42mm x 9mm dia.	2'	4"	4"
N3706	807-0006-N3706	Plastic Nail Tag, white 37mm x 6mm dia.	3'	12"	8"

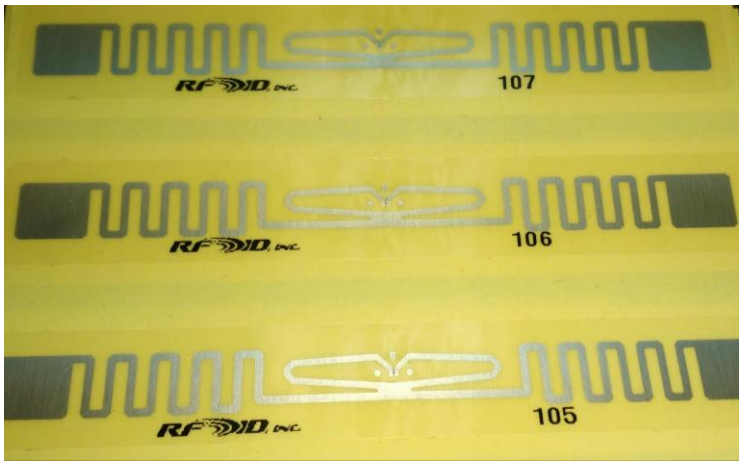
Memory	Sizes (chip dependent):	96, 128, 512, 1k, 2k, 8k bits	100k write cycles max
	Standard:	EPC Class1 Gen2	ISO 18000-6C
	Frequency:	902 – 928 MHz (North America)	860 – 870 MHz (EU, Japan)

Mechanical Tag Material:	BTxx	ST30	ST10	BT2020
	Steel	PA-6	ABS	Steel with PPT Head

Environmental	BTxx	ST30	ST10	BT2020
Temperature, Storage:	-40°F to +248°F -40°C to +120°C	-40°F to +248°F -40°C to +120°C	-20°F to +185°F -20°C to +85°C	-40°F to +248°F -40°C to +120°C
Temperature, Operating:	-40°F to +257°F -40°C to +125°C	-40°F to +257°F -40°C to +125°C	-20°F to +176°F -20°C to +80°C	-40°F to +257°F -40°C to +125°C
Ingress Protection:	IP68	IP68	IP67	IP68

Vehicle Tags – Windshield, Headlight, Metal Mount





Model Number	Part Number	Description	Read Range A99H 9dBi	Read Range A55C 5.5dBi	Read Range A64C 4dBi
WS8654-H3 (center)	807-0008-WS8654-H3	Windshield Tag, printable label, Self-destruct tamperproof 86x54mm	22’	11’	6’
IW9508 (left)	807-0011-IW9508	Head Light or Windshield Tag, clear/flexible, Self-destruct tamperproof, 95x08mm	32’	22’	7’
P13385 (right)	807-0003-P13385	PVC Rearview Mirror Hang Tag, 133x85mm	22’	11’	5.5’

Memory:	Sizes (chip dependent):	96, 128, 512, 1k, 2k, 8k bits	100k write cycles max
	Standard:	EPC Class1 Gen2	ISO 18000-6C
	Frequency:	902 – 928 MHz (North America)	860 – 870 MHz (EU, Japan)

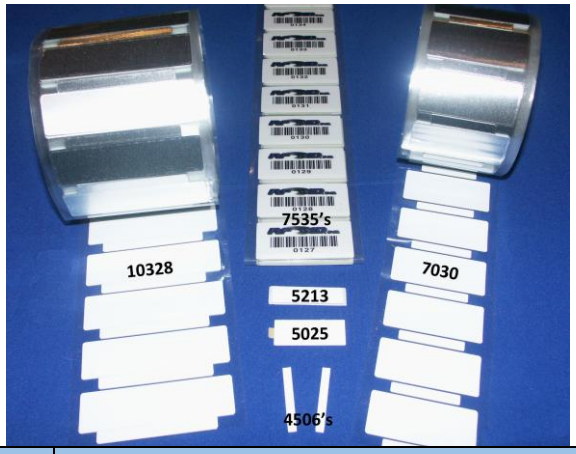
Mechanical:	Tag Material:	PET w/aluminum antenna	

Mechanical:	WS8654	IW9508	P13385
Material:	PET + Aluminum Ant	PET + Aluminum Antenna	PVC
IP:	IP67	IP67	IP67
Operating Temp:	-40°C to +85°C	-40°C to +85°C	-40°C to +85°C





Metal Mount Labels



Model Number	Part Number	Description	Read Range A99H 9dBi	Read Range A55C 5.5dBi	Read Range A64C 4dBi
			↓ All Read	Range Stats	On Metal ↓
ML4506	807-0020-ML4506	Metal Mount Label Tag, 1.77" x 0.22" x 0.03" (45x6x0.86mm), on reel of 500	18"	15"	10"
ML5020	807-0020-ML5020	Metal Mount Label Tag, 1.97" x 0.79" x 0.03" (50x20x0.86mm), on reel of 500	7'	5'	3'
ML5025	807-0020-ML5025	Metal Mount Label Tag, 1.97" x 0.98" x 0.03" (50x25x0.86mm), on reel of 500	10'	5.5'	4'
ML5213	807-0020-ML5213	Metal Mount Label Tag, 2.05" x 0.51" x 0.03" (52x13x0.86mm), on reel of 500	12"	12"	16"
ML5819	807-002-ML5819	Metal Mount Label Tag, 2.28" x 0.75" x 0.03" (58x19x0.86mm), on reel of 500	15'	10.5'	2'
ML6535	807-0020-ML6535	Metal Mount Label Tag, 2.56" x 1.375" x 0.04", (65x35x1mm), on reel of 500	25'	17'	8'
ML7535	807-0020-ML7535	Metal Mount Label Tag, 3" x 1.375" x 0.04", (75x35x1mm), on reel of 500	28'	19'	9'
ML8343	807-0020-ML8343	Metal Mount Label Tag, 3.27" x 1.69" x 0.03" (83x43x0.86mm), on reel of 500	8'	8'	2'
ML9522-MR6P	807-0020-ML9522-MR6P	Metal Mount Label Tag, 3.74" x 0.98" x 0.03" (95x22x0.03mm), on reel of 500	5'	4'	2'
ML9525	807-0020-ML9525	Metal Mount Label Tag, 3.74" x 0.98" x 0.03" (95x25x0.86mm), on reel of 500	5'	5'	3'
ML10228	807-0020-ML10228	Metal Mount Label Tag, 4.0" x 0.1.10" x 0.03" (102x28x0.86mm), on reel of 500	10'	5.5'	4'
ML10238	807-0020-ML10238	Metal Mount Label Tag, 4" x 1.5" x 0.03" (102x38x0.76mm), on reel of 500	7'	6'	4.5'

Memory:	Sizes (chip dependent):	96, 128, 512, 1k, 2k, 8k bits	100k write cycles max
	Standard:	EPC Class1 Gen2	ISO 18000-6C
	Frequency:	902 – 928 MHz (North America)	860 – 870 MHz (EU, Japan)

Mechanical:	Tag Material:	White thermal transfer PET	High performance adhesive

Environmental:	Temp, Storage:	-40°F to +185°F	-40°C to +85°C
	Temp, Operating:	-40°F to +185°F	-40°C to +85°C
	Ingress Protection:	IP65	

Roll Stock Labels



Small Peel & Stick Labels (PSL)



Model Number	Part Number	Description	Read Range A99H 9dBi	Read Range A55C 5.5dBi	Read Range A64C 4dBi
RS1010	807-0019-RS1010	Roll Stock Label, 10x10mm (0.39x0.39”)			
RS1414	807-0019-RS1414	Roll Stock Label, 14x14mm (0.56x0.56”)			
RS3015	807-0019-RS3015	Roll Stock Label, 30x15mm (1.18x0.59”)			
RS3535	807-0019-RS3535	Roll Stock Label, 35x35mm (1.38x1.38”)	Dependent	Upon	Inlay
RS4025	807-0019-RS4025	Roll Stock Label, 40x25mm (1.57x0.98”)	Installed	Into	Label
RS5020	807-0019-RS5020	Roll Stock Label, 50x20mm (1.97”x.85”)			
RS5050	807-0019-RS5050	Roll Stock Label, 50x50mm (1.97x1.97”)			
RS5517	807-0019-RS5517	Roll Stock Label, 55x17mm (2.17x0.67”)			
RS5726	807-0019-RS5726	Roll Stock Label, 57x26mm (2.25x1.02”)	Any	Custom	Size
RS7050	807-0019-RS7050	Roll Stock Label, 70x50mm (2.75x1.97”)	Label	Possible	
RS7322	807-0019-RS7323	Roll Stock Label, 73x22mm (2.87x0.87”)			
RS8654	807-0019-RS8654	Roll Stock Label, 86x54mm (3.39x2.13”)			
RS9595	807-0019-RS9595	Roll Stock Label, 95x95mm (3.74x3.74”)			
RS10225PP	807-0019-RS10225PP	Roll Stock Label, 102x25mm (4x0.98”)			
RS10251	807-0019-RS10251	Roll Stock Label, 102x51mm (2x4”)			
RS102102	807-0019-RS102102	Roll Stock Label, 102x102mm (4x4”)			
RS102152	807-0019-RS102152	Roll Stock Label, 102x152mm (4x6”)			
RS11012	807-0019-RS11012	Roll Stock Label, 110x12mm (4.33x0.47”)			
RS16005	807-0019-RS16005	Roll Stock Label, 160x5mm (6.3x0.20”)			
P12676-H4	807-0019-P12676-H	Roll Stock Label, 126x76mm (5”x3”)			
PSL1613	807-0009-PSL1613	Roll Stock Label, 16x13mm (0.63x0.51”)			
PSL2525	807-0009-PSL2525	Roll Stock Label, 25x25mm (0.98x0.98”)			
PSL21	807-0009-PSL21	Roll Stock Label, 21mm diameter (0.83”)			

Memory:	Sizes (chip dependent):	96, 128, 512, 1k, 2k, 8k bits	100k write cycles max
	Standard:	EPC Class1 Gen2	ISO 18000-6C
	Frequency:	902 – 928 MHz (North America)	860 – 870 MHz (EU, Japan)
Mechanical:	Tag Material:	Paper label w/ adhesive backing	PET w/alumimum antenna
Environmental:	Temp, Storage:	-40°F to +185°F	-40°C to +85°C
	Temp, Operating:	-40°F to +185°F	-40°C to +85°C
	Ingress Protection:	IP65	

Inlays

Dry = No Sticky Backing

Wet = Sticky Backing



Model Number	Part Number (use -0010 for Dry)	Description (all measurements = antenna substrate)	Read Range A99H 9dBi	Read Range A55C 5.5dBi	Read Range A64C 4dBi
IW7	807-0011-IW7	Inlay, Wet or Dry, 7mm diameter	5”	2”	2”
IW0703	807-0011-IW0703	Inlay, Wet or Dry, 7x3mm	1”	1”	1”
IW12	807-0011-IW12	Inlay, Wet or Dry, 12mm diameter	6”	2”	2”
IW1206	807-0011-IW1206	Inlay, Wet or Dry, 12x6mm	1.5”	1.5”	1.5”
IW22	807-0011-IW22	Inlay, Wet or Dry, 22mm diameter	2’	1’	8”
IW27	807-0011-IW27	Inlay, Wet or Dry, 27mm diameter	6’	3.5’	8”
IW1310	807-0011-IW1310	Inlay, Wet or Dry, 13x10mm	2”	2”	2”
IW1815	807-0011-IW1815	Inlay, Wet or Dry, 18x15mm	2’	8”	4”
IW2208	807-0011-IW2208	Inlay, Wet or Dry, 22x08mm	2.5’	1.5’	6”
IW2218	807-0011-IW2218	Inlay, Wet or Dry, 22x18mm	3.5”	2”	1”
IW2222	807-0011-IW2222	Inlay, Wet or Dry, 22x22mm	5’	2.5’	1.5’
IW2816	807-0011-IW2816	Inlay, Wet or Dry, 28x16mm	6’	3.5’	20”
IW2910	807-0011-IW2910	Inlay, Wet or Dry, 29x10mm	4’	2.5’	10”
IW3027	807-0011-IW3027	Inlay, Wet or Dry, 30x27mm	6.5’	3.5’	1.5’
IW3418	807-0011-IW3418	Inlay, Wet or Dry, 34x18mm	6’	3’	6”
IW4115	807-0011-IW4115	Inlay, Wet or Dry, 41x15mm	18’	9’	2’
IW4411	807-0011-IW4411	Inlay, Wet or Dry, 44x11mm	14’	6’	2’
IW4444	807-0011-IW4444	Inlay, Wet or Dry, 44x44mm	22’	12’	5’
IW4630	807-0011-IW4630	Inlay, Wet or Dry, 46x30mm	16’	8’	2’
IW4717	807-0011-IW4717	Inlay, Wet or Dry, 47x17mm	22’	14’	7’
IW5030	807-0011-IW5030	Inlay, Wet or Dry, 50x30mm	22’	12’	3.5’
IW5516	807-0011-IW5516	Inlay, Wet or Dry, 55x16mm	8’	3’	16”
IW5714	807-0011-IW5714	Inlay, Wet or Dry, 57x14mm	10’	6’	1.5’
IW5725	807-0011-IW5725	Inlay, Wet or Dry, 57x25mm	18’	9’	2.5’
IW6525	807-0011-IW6525	Inlay, Wet or Dry, 65x25mm	7’	4’	1’
IW7009	807-0011-IW7009	Inlay, Wet or Dry, 70x09mm	19’	16’	8’
IW7014	807-0011-IW7014	Inlay, Wet or Dry, 70x14mm	26’	18’	3’
IW7019	807-0011-IW7019	Inlay, Wet or Dry, 70x19mm	24’	12’	3.5’
IW7606	807-0011-IW7606	Inlay, Wet or Dry, 76x06mm	18’	8’	18”
IW8610	807-0011-IW8610	Inlay, Wet or Dry, 86x10mm	28’	17’	2.5’
IW9409	807-0011-IW9409	Inlay. Wet or Dry, 94x09mm	35’	17’	4’
IW9503	807-0011-IW9503	Inlay, Wet or Dry, 95x03mm	35’	17’	3’
IW9525	807-0011-IW9525	Inlay, Wet or Dry, 95x25mm	32’	22’	7’
IW10006	807-0011-IW10006	Inlay, Wet or Dry, 100x06mm	17’	11’	3’

Mechanical:	Tag Material:	PET w/aluminum antenna	

Employee ID – Lanyards - Wrist Bands – Keyfob - Badges





Model Number	Part Number	Description	Read Range A99H 9dBi	Read Range A55C 5.5dBi	Read Range A64C 4dBi
WB-PB	807-0014-WB-PB	Wrist Band, Patient Style, Blue	10’ On Wrist	4’ On Wrist	2’ On Wrist
WB-PP	807-0014-WB-PP	Wrist Band, Patient Style, Pink	10’ On Wrist	4’ On Wrist	2’ On Wrist
WB-V1	807-0014-WB-V1	Wrist Band, hard plastic w/Velcro band, yellow	16’ On Wrist	8’ On Wrist	6’ On Wrist
KF-Color	807-0012-KF-xx	Keyfob, blue/red/black/red,/orange, round	4’	2’	1’
L5204	807-0022-L5204	Lanyard Tag, with breakaway safety strap	20’ On Body	10’ On Body	6’ On Body
P1770S	807-0077-P8654S	Employee Badge, ISO Card, w/slot, 86X54mm	30’	16’	8’

Memory:	Sizes (chip dependent):	96, 128, 512, 1k, 2k, 8k bits	100k write cycles max
	Standard:	EPC Class1 Gen2	ISO 18000-6C
	Frequency:	902 – 928 MHz (North America)	860 – 870 MHz (EU, Japan)

Mechanical	WB-PB/PP	L5204	P1770S	WB-V1 or KF1
Tag Material:	PVC	Nylon	PVC	ABS

Environmental	WB-PB/PP	L5204	P1770S	WB-V1 or KF1
Temperature, Storage:	-40°F to +185°F -40°C to +85°C	-40°F to +185°F -40°C to +85°C	-40°F to +212°F -40°C to +100°C	-40°F to +212°F -40°C to +100°C
Temperature, Operating:	-40°F to +185°F -40°C to +85°C	-40°F to +185°F -40°C to +85°C	-40°F to +185°F -40°C to +85°C	-40°F to +185°F -40°C to +85°C
Ingress Protection	IP65	IP65	IP67	IP67

Laundry Tags



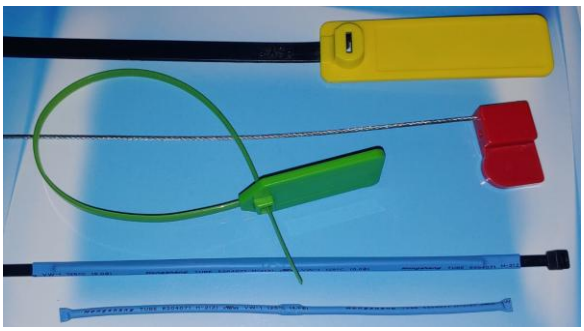
Model Number	Part Number	Description	Read Range A99H 9dBi	Read Range A55C 5.5dBi	Read Range A64C 4dBi
SL3416	807-0015-SL3416	Silicon Laundry Tag, flexible, 34x16mm, white	6′	3′	1.5′
SL5510	807-0015-SL5510	Silicon Laundry Tag, flexible, 55x10mm, white	10′	4.5′	2.5′
SL5525	807-0015-SL5525	Silicon Laundry Tag, flexible, 55x25x2mm, blue	12′	5′	3.5′
SL7435	807-0015-SL7435	Silicon Laundry Tag, flexible, 74x35x2mm, blue	11′	4′	2′

Memory:	Sizes (chip dependent):	96, 128, 512, 1k, 2k, 8k bits	100k write cycles max
	Standard:	EPC Class1 Gen2	ISO 18000-6C
	Frequency:	902 – 928 MHz (North America)	860 – 870 MHz (EU, Japan)

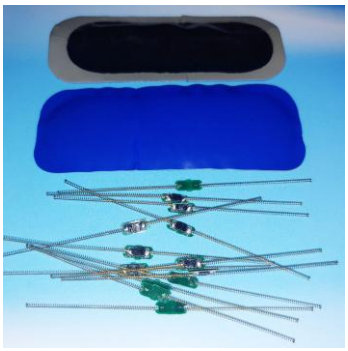
Mechanical:	**All Silicon Laundry Tags**		
Tag Material:	Flexible Silicon		

Environmental	**All Silicon Laundry Tags**		
Temperature, Storage:	140°C (60 minutes) 200°C (10 minutes)		
Temperature, Operating:	-40°F to +185°F -40°C to +85°C		
Ingress Protection:	IP68		
Pressure:	500N		
Life Cycle	200 washes		

Asset/Security Tags – Tie Straps – PVC Hang Tags – PVC Stick On – Clip – Tire Tag







Model Number	Part Number	Description	Read Range A99H 9dBi	Read Range A55C 5.5dBi	Read Range A64C 4dBi
S179	807-0017-S179	Model S179 Embeddable Wraparound Strap Tag, blue, 179 length x 3mm dia.	12′	6′	2′
S360	807-0017-S360	Model S360 Tie Strap Tag, blue/black, 360mm length x 4mm dia.	20′	17′	8′
S3625	807-0017-S3625	Metal Tie Strap Tag, red, 36x25mm main body w/270mm strap	2′	1′	6″
S6028	807-0017-S6028	Plastic Tie Strap Seal Tag, green, 60x28mm main body w/285mm strap, tamper alarm	12′	12′	6′
S9228-H3	807-0017-S9228-H3	Model S11030 Tie Strap Tag, Yellow, 105x30mm w/285mm Strap, tamper alarm	46′	27′	8′
S11030	807-0017-S11030	Plastic Tie Strap Seal Tag, blue, yellow or green, 110x30mm main body w/220mm strap	35′	15′	6′
P8025	807-0003-P8025	PVC Stick on Tag, 80x25mm	21′	13′	7′
P5025M	807-0003-P5025M	PVC Stick on Metal Mount Tag, 50x25mm	13′	6′	1′
P6627	807-0003-P6627	PVC Stick on Tag, 66x27mm	18′	9′	3′
P9133	807-0003-P9133	PVC Hang Tag, 91x33mm	26′	16′	8′
P6045	807-0003-P6045	PVC Hang Tag, 60x45mm	22′	12′	3.5′
P3015	807-0003P3015	PVC Hang Tag, 30x15mm	4′	4′	1′
RS2315J	807-0011-00-RS2315J	Jewelry/Asset Label on Roll Stock, 23x15mm	12′	3′	18″
TT8401	807-0021-TT8401	Tire Tag, PCB + Spring Antenna, 84x1mm	12′	7′	3′
RP11055	807-0021-RP11055	Tire Tag, Rubber, 105x55x3mm	19′	10′	6′

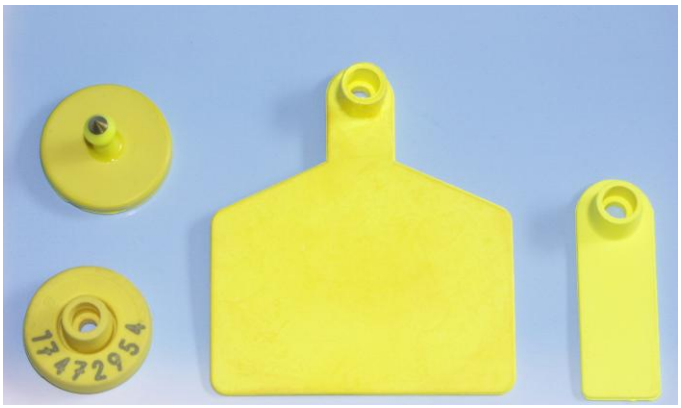
Memory:	Sizes (chip dependent):	96, 128, 512, 1k, 2k, 8k bits	100k write cycles max
	Standard:	EPC Class1 Gen2	ISO 18000-6C
	Frequency:	902 – 928 MHz (North America)	860 – 870 MHz (EU, Japan)

Mechanical	S6028 & S11030	RS2315J	TT8401	RP11055
Tag Material:	Polypropylene	PVC Laminate	PCB + Spring	Rubber

Environmental	S6028 & S11030	RS2315J	TT8401	RP11055
Temperature, Storage:	-40°F to +185°F -40°C to +85°C	-40°F to +185°F -40°C to +85°C	-40°F to +185°F -40°C to +85°C	-40°F to +185°F -40°C to +85°C

Temperature, Operating:	-40°F to +185°F -40°C to +85°C	-40°F to +185°F -40°C to +85°C	-40°F to +185°F -40°C to +85°C	-40°F to +185°F -40°C to +85°C
Ingress Protection:	IP67	IP65	IP67	IP67

Animal Ear Tags



Plant & Alligator Clip Tag



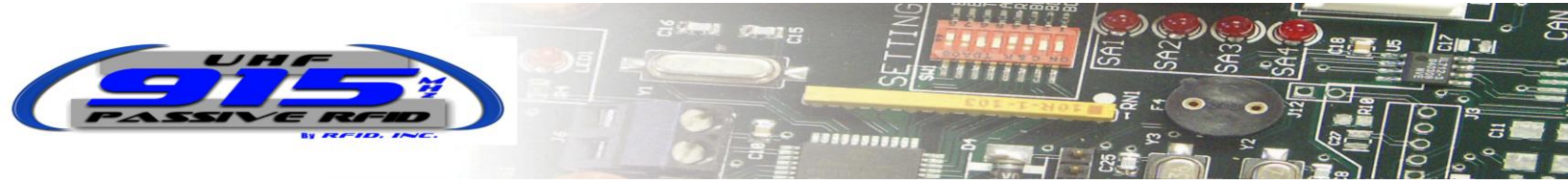


Model Number	Part Number	Description	Read Range A99H 9dBi	Read Range A55C 5.5dBi	Read Range A64C 4dBi
AET32	807-0022-AET32	Animal Ear Tag, 32mm dia.	6’	2.5’	1.5’
AET5419	807-0022-AET5419	Animal Ear Tag, 54x19mm	14’	6’	2’
AET7181	807-0022-AET7181	Animal Ear Tag, 71x81mm	22’	12’	5’
AET10176P-M4QT	807-0022-AET10176P-M4QT	Animal Ear Tag, 101x76mm w/44x44 inlay	22’	12’	5’
AET-Y-DART	807-0022-Y-DART	Animal Ear Tag, Rear Attachment Dart	NA	NA	NA
1766-APP	800-0126-50	Ear Tag Applicator	NA	NA	NA
AC7025	807-0005-AC7025	Alligator Clip, Light Gray, 70x25mm	16’	6’	5’
PT15560	807-0007-PT15560	Plant Tag, 155x60mm, ABS	15’	8’	5’

Memory:	Sizes (chip dependent):	96, 128, 512, 1k, 2k, 8k bits	100k write cycles max
	Standard:	EPC Class1 Gen2	ISO 18000-6C
	Frequency:	902 – 928 MHz (North America)	860 – 870 MHz (EU, Japan)

Mechanical:	Animal Ear Tag	AC7025	PT15560
	TPU (main piece)	PVC w/metal clip spring	ABS
	ABS (backing)		Optional

Environmental:	Temp, Storage:	-40°F to +185°F	-40°C to +85°C
	Temp, Operating:	-40°F to +185°F	-40°C to +85°C
	Ingress Protection:	IP68	



Client List (Partial)

Medical & Pharmacies:
Abbot Labs
AmeriPharm
Amphenol
Anthem
Bayer
Baxter Healthcare
BD/Parata
Boston Scientific
Capsa Healthcare
Cardinal Health
CASI
CDS/Procare
Cigna Tel-Drug
CR Bard
CVS
Eckerd Drug
Edward's Life Science
ExcelleRx
FamilyMeds.com
Good Health Rx
H.E. Butt Grocery
Humana
Innova Health
Intuitive Surgical
JFCRx
Kaiser Permanente
McKesson SI/Baker
Medtronic
Optum Rx
PacifiCare
Prescription Solutions
Providence Health Care
Rite Aid
Rx Direct
Smith's Medical
Synergy Medical
Tel-Drug
Veteran's Admin
Walgreens
Walmart
WellPoint
Wyeth Labs

USA Automotive:
Allen Bradley
ATS
Bendix
BMW
Caterpillar
Cummins Engines
Daimler AG
Decoma
Delphi
Detroit Diesel
Federal Mogul
Fiat Chrysler
Ford Motor Company
General Motors
Hirotec
Honda
Howmet
John Deere
Mercedes
Meridian Automotive
Michelin
Neaton Automotive
Polaris Industries
Tesla
Toyo Tirex
Toyota
Trident Automotive
Visteon
Volvo

Factory Floor:
Ace Hardware
Alcoa
Amana
AT&T
Avtron
BAE Automation
BASF
Boeing Corporation
BorgWarner
BW Rogers
Cargill
Carlton-Bates
Case New Holland
CEI Automation
Charbroil
Conagra
Copeland
Cutler-Hammer
Eastman Kodak
Edgewater Automation
EI DuPont
Electrolux
Eskay
Esselte
Estee Lauder
Exxon Mobile
FlexLink Conveyors
Frigidaire
GE Aviation
General Electric
Hagemeyer
Hyster Yates
Ingersoll Rand
Inland Steel
Kim Automation
Knapp Automation
Koops
Krauss-Maffei
Lear Jets
Levata
Mann Hummel
Marshall's
Maytag
Mitsubishi
Motorola
Nestle
Nippon Steel
Northwest Lighting
OshKosh B'Gosh
Osram Sylvania
Pepsi (Quaker)
Pillar Innovation
POM Wonderful
Proctor & Gamble
Reliance Rockwell
Rockwell
Schick Razors
SCI Sanmina
Sears
SI/Handling Systems
Square D Company
Siemens
Stanley Tools
Swisslog
Texas Instruments
Tempurpedic
Threadup
TJ Maxx
Trane
TRW
U.S. Steel
Valeo Sylvania
WEPCO
Whirlpool
Wunderlich-Malec

AGV/AGC/ASRS:
AGV Products
Amerden
Anheuser-Busch
Bastian Solutions
Fisher Dynamics
Jervis Webb
JBT
Lemans
Los Angeles Times
Prilgrim's Pride
The Denver Post
The Boston Globe
Transbotics
Toyota AGV
U.S. Air Force

RTLS Warehousing:
Anduril
Miller Weld
Publix
SMP Motherson

USA Entertainment Customer Loyalty:
Bronx Zoo
CBS Television
Caesar's High Roller Ferris Wheel
Cortina
Electrosonic
Hard Rock Café
Heywood Engineering
Maltbie
NASCAR Hall of Fame
Six Flags
Smithsonian Museum
Solomon Group
Strategic Systems
Technomedia
Theodore Roosevelt Library
Vail Resorts
Walt Disney World
WWII Museum

USA Other:
Atmel/Temic
EFI Vutek
Hewlett Packard
Honeywell
Los Alamos Labs
Magic Chef
NASA
Nokia
NY City MTA
Sandia National Labs
SpaceX
Timken
Tyco
U.S. Navy
Unilever
UPS

AVI Scale Operations:
American Scale
Apple Valley Scale
Avery Weigh-Tronix
Carlton Scale
Halliburton
Industrial Scale Systems
Meldrum Scale
Pacific Industrial Scale
Rice Lake Weighing
Sanstrom Scale
Scales NW
Soulder Scale
Standard Scale
Wingfield Scale

Australia:
Alcoa World Alumina
BHP Billiton Iron Ore
Byrnecut Mining
CMA Systems
Dampier Salt
Dejong Industries (distributor)
Fortescue Metals
Hamersley Iron
Logitech Consultants
Newcrest Telfer Gold Mine
Port Waratah
Queens Creek
Rio Tinto
Robe River Iron
Sinclair Knight Merz
ThyssenKrupp
Tomago Aluminum
Voest-Alpine

Canada:
AG Simpson Automotive
ArcelorMittal
Aurora Bar Code
City of Fort St. John
CraneSmart
Davis Controls (distributor)
Dofasco
Kellogg's Cereal
Keilhauer
LSZ PaperTech
Stelco Steel
TR Electronic (distributor)

Central & South America:
Fenwal (Domincan Rep.)
General Electric (Mexico)
Hylsa (Mexico)
Logicbus (Mexico)
Logiseed (Dist Argentina)
MABE Leiser (Mexico)
SCI Sanmina (Mexico)
Retex (Peru)
RSI (Mexico)
TecWise (distributor, Brazil)
TRW (Mexico)

Europe:
BMW (UK)
FQ (distributor, Spain)
London Heathrow Airport (Baggage)
Moncks & Crane (UK)
SCI Sanmina (Hungary)
Securitas (Sweden)
Tempore (Austria)
TRW (UK & Germany)

USA Distributors:
Applied Automation (NY)
Applied Controls (PA, MD, DE)
Automation, Inc. (MN, ND, SD, IA, WI)
Buckeye Controls (OH)
Burns Controls (TX)
Command Automation (ND, SD)
Cornerstone (Southeast)
Gibson Eng. (MA, CT, ME, RI)
HH Barnun (MI, IN, OH, KY, TN, AL NC, SC, GA)
Horizon (MI, IL, OH, FL)
Innovative Control Inc. (IL)
Lakeland Engineering (MN, WI, IA, ND, SD, MO, KS, NE)
Midwest Engineering (OH)
MSI Tech (Southwest)
Power Motion (MO, KS, AK, OK, LA)
Power/mation (MN, IA, WI, IL)
PRI (NY, NJ)
Rhino Toolhouse (WI, Midwest)
TR Electronic
Valin Corporation (CA, AZ, UT, NV, WA, OR, ID