



**High Power
IP67
UHF RFID
Reader**



Physical:	Dimensions (Housing Only)	4.80" square x 2.175"	122mm square x 55mm
	Weight (w/mounting hardware):	1 lb. (without cabling)	454 grams
	Antenna Connector:	SMA	
	Number of Antennas	1	
	Enclosure:	NEMA 4X Polycarbonate	

Read Range:	Up to 9 meters, Tag and Antenna dependent		
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Electrical:	Voltage Input:	8vdc to 28vdc	
	Draw:	500mA typical	450mA min. 600 mA max.
	Frequency:	866 MHz to 928 MHz	

Environmental:	Temperature, Storage:		-55° to +85°c
	Temperature, Operating:	-40° to +131°F	-40° to +55°c
	Ingress Protection:	IP67 w/added sealant	

Communications:	Standard on all models:	USB and RS232	
	Allen Bradley:	Ethernet/IP	DeviceNet
	Siemens:	Profibus	Profinet
	Modicon:	Modbus RTU	Modbus TCP
	Other:	TCPIP Ethernet	Wiegand





Hand-Held Computer w/RFID Reader

Model 3047E-UHF-JETT



Physical: (Stylus Standard)	Dimensions:	9.84"x4.75"(3" @ keypad) x 2.37"	250x120 (78 @ keypad)x60mm
	Weight (w/recharge battery)	33 ounces	935 grams
Operating:	Microsoft® Windows® CE 5.0	Marvell XScale PXA270 Processor 624 MHz	320x240 QVGA-TFT color sunlight readable display w/ touch screen
Memory:	128 MB SDRAM (30MB used for OS)	512 Flash Built in Expandable to 8GB or higher	
Options:	2D Laser Scanner	USB Flash Drive for Backup	
Power:	Nickel Metal Hydride Extended Capacity Rechargeable batteries 2500 mAh, 7.2V	Recharge Power: 11 to 18VDC 1.5A	9 hours typical operating time
Connectivity:	LAN 802.11b/g (internal)	Bluetooth Class 2 (internal)	CF Type 2 expansion slot
	Mini USB v1.1 (Full Speed)	RS232, RS422, RS485 port	
Certifications:	IP65, FCC Class A, EN55022, 1998. (CISPR 22) Class A, EN55022/IEC 6100-4-6 RF Continuous Conducted, EN55024, 1998-ETSI EN 301 489-1, 2002 – ETSI EN 301489-3, 2002 – EN/IEC 61000-4-2 ESD – EN/IEC 61000-4-3 RF Electromagnetic Field – EN/IEC 61000-4-4 Fast Transients, RoHS Compliant		
Environment:	Storage Temp w/o battery:	-20°F to +158°F	-20°c to +70°c
	Operating Temp:	-20°F to +122°F	-20°c to +50°c
	Charging Temp:	-0°F to +104°F	-0°c to +40°c
Part numbers:	915 MHz (USA):	865 – 868 MHz (Euro)	
	800-0208-02	800-0208-02-EU	
Development tools:	Development Tools: SDK and RFID Terminal Program available, Visual Studio® 2005 (Visual C#®, Visual C++®, Visual Basic®, Supports .NET CF 2.0), Visual Studio® .NET 2003 (Visual Basic® .NET, C#® .NET), Embedded C++® 4.0, Developer's Library: Development Kits, SDK Utilities		





Reader Part Numbers

Model Number	Part Number	Description
HP67-8010E	805-8010-00-HP67	Wiegand + USB Reader, 26 bit, 24vdc, 1 Antenna port
HP67-8010E-PJ	805-8010-00PJ-HP67	Wiegand + USB Reader, 26 bit, quick connect power jack, 24vdc, 1 Antenna port
HP67-8030E	805-8030-00-HP67	RS232 + USB Reader, pigtail wiring for serial & power, 24vdc, 1 Antenna port
HP67-8030E-PJ	805-8030-00PJ-HP67	RS232 + USB Reader, pigtail wiring for serial, quick connect power jack, 24vdc, 1 Antenna port
HP67-8030E-9P	805-8030-009P-HP67	RS232 + USB Reader, 9 PIN serial connector, power pigtail wiring, 24vdc, 1 Antenna port
HP67-8030E-PJ9P	805-8030-00PJ9P-HP67	RS232 + USB Reader, 9 PIN serial connector, quick connect power jack, 24vdc, 1 Antenna port
HP67-8040E	805-8040-00-HP67	Ethernet/IP + USB Reader, pigtail wiring for power & communications, 24vdc, 1 Antenna port
HP67-8040E-PJ	805-8040-00PJ-HP67	Ethernet/IP + USB Reader, pigtail wiring for communications, quick connect power jack, 24vdc, 1 Antenna port
HP67-8040E-M12	805-8040-00M12-HP67	Ethernet/IP + USB Reader, M12 connector for power & communications, 24vdc, 1 Antenna port
HP67-8050E-9P	805-8050-009P-HP67	TCPIP + RS232 + USB Reader, RJ45 conn, 9pin Dsub, pigtail wiring for power, 1 Ant port
HP67-8050E-PJ9P	805-8050-00PJ9P-HP67	TCPIP + RS232 + USB Reader, RJ45 conn, 9pin Dsub, quick conn pwr jack, 24vdc, 1 Ant port
HP67-8060E	805-8060-00-HP67	DeviceNet + USB Reader, pigtail wiring for power & communications, 24vdc, 1 Antenna port
HP67-8060E-PJ	805-8060-00PJ-HP67	DeviceNet + USB Reader, pigtail wiring for communications, quick connect power jack, 24vdc, 1 Antenna port
HP67-8060E-M12	805-8060-00M12-HP67	DeviceNet + USB Reader, M12 connector for power & communications, 24vdc, 1 Antenna port
HP67-8070E	805-8070-00-HP67	Profibus + USB Reader, pigtail wiring for power & communications, 24vdc, 1 Antenna port
HP67-8070E-PJ	805-8070-00PJ-HP67	Profibus + USB Reader, pigtail wiring for communications, quick connect power jack, 24vdc, 1 Antenna port
HP67-8070E-M12	805-8070-00M12-HP67	Profibus + USB Reader, M12 connector for power & communications, 24vdc, 1 Antenna port
HP67-8075E	805-8075-00-HP67	Profinet + USB Reader, pigtail wiring for power & communications, 24vdc, 1 Antenna port
HP67-8075E-PJ	805-8075-00PJ-HP67	Profinet + USB Reader, pigtail wiring for communications, quick connect power jack, 24vdc, 1 Antenna port
HP67-8075E-M12	805-8075-00M12-HP67	Profinet + USB Reader, M12 connector for power & communications, 24vdc, 1 Antenna port
HP67-8080E	805-8080-00-HP67	Modbus TCP + USB Reader, pigtail wiring for power & communications, 24vdc, 1 Antenna port
HP67-8080E-PJ	805-8080-00PJ-HP67	Modbus TCP + USB Reader, pigtail wiring for communications, quick connect power jack, 24vdc, 1 Antenna port
HP67-8080E-M12	805-8080-00M12-HP67	Modbus TCP + USB Reader, M12 connector for power & communications, 24vdc, 1 Antenna port
HP67-8085E	805-8085-00-HP67	Modbus RTU + USB Reader, pigtail wiring for power & communications
HP67-8085E-PJ	805-8085-00PJ-HP67	Modbus RTU + USB Reader, pigtail wiring for communications, quick connect power jack
HP67-8085E-M12	805-8085-00M12-HP67	Modbus RTU + USB Reader, M12 connector for power & communications, 24vdc, 1 Antenna port





Hand-Held Part Numbers

Model Number	Part Number	Description
3047E-UHF-JETT	800-0208-02	Hand-Held Computer w/RFID Reader, bar code, LAN, Bluetooth, USB, CF, rechargeable battery
	730-0053-00-JETT	USB Cable A to B mini
	730-0054-00-JETT	ActiveSync Cable
	720-0011-00-JETT	AC Power Supply & charger

Antenna Part Numbers

Model Number	Part Number	Description
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-A55V-10	719-0505-02V-10	4.5" x 4.75" x 0.08", 2dbi, PCB, Vertical Polarized, 4 mounting holes, N Conn., 10' cable
UHF-A55V-25	719-0505-02V-25	4.5" x 4.75" x 0.08", 2dbi, PCB, Vertical Polarized, 4 mounting holes, N Conn., 25' cable
UHF-A78R-10	719-0708-07R-10	7" x 8" x 1.75", 7dbi, Circular Polarized, mounting bracket, N Connector, 10' cable
UHF-A78R-25	719-0708-07R-25	7" x 8" x 1.75", 7dbi, Circular Polarized, mounting bracket, N Connector, 25' cable
UHF-A78V-10	719-0708-07V-10	7" x 8" x 1.75", 7dbi, Linear Vertical Polarized, mounting bracket, N Connector, 10' cable
UHF-A78V-25	719-0708-07V-25	7" x 8" x 1.75", 7dbi, Linear Vertical Polarized, mounting bracket, N Connector, 25' cable
UHF-A78H-10	719-0708-07H-10	7" x 8" x 1.75", 7dbi, Linear Horizontal Polarized, mounting bracket, N Conn., 10' cable
UHF-A78H-25	719-0708-07H-25	7" x 8" x 1.75", 7dbi, Linear Horizontal Polarized, mounting bracket, N Conn., 25' cable
UHF-A99C-10	719-0909-09C-10	9.75" x 8.5" x 2.5", 9dbi, Circular Polarized, mounting bracket, N Connector, 10' cable
UHF-A99C-25	719-0909-09C-25	9.75" x 8.5" x 2.5", 9dbi, Circular Polarized, mounting bracket, N Connector, 25' cable
UHF-A99V-10	719-0909-09V-10	9.75" x 8.5" x 2.5", 9dbi, Linear Vertical Polarized, mounting bracket, N Conn., 10' cable
UHF-A99V-25	719-0909-09V-25	9.75" x 8.5" x 2.5", 9dbi, Linear Vertical Polarized, mounting bracket, N Conn., 25' cable
UHF-A99H-10	719-0909-09H-10	9.75" x 8.5" x 2.5", 9dbi, Linear Horizontal Polarized, mounting bracket, N Conn., 10' cable
UHF-A99H-25	719-0909-09H-25	9.75" x 8.5" x 2.5", 9dbi, Linear Horizontal Polarized, mounting bracket, N Conn., 25' cable
UHF-A10C-10	719-1010-08C-10	10" x 10" x 1.5", 8dbi, Circular Polarized, mounting bracket, N Connector, 10' cable
UHF-A10C-25	719-1010-08C-25	10" x 10" x 1.5", 8dbi, Circular Polarized, mounting bracket, N Connector, 25' cable
UHF-A10H-10	719-1010-08H-10	10" x 10" x 1.5", 8dbi, Linear Horizontal Polarized, mounting bracket, N Conn., 10' cable
UHF-A10H-25	719-1010-08H-25	10" x 10" x 1.5", 8dbi, Linear Horizontal Polarized, mounting bracket, N Conn., 25' cable
UHF-A13C-10	719-1313-09C-10	13" x 13" x 2.5", 9dbi, Circular Polarized, mounting bracket, SMA connector, 10' cable
UHF-A13C-25	719-1313-09C-25	13" x 13" x 2.5", 9dbi, Circular Polarized, mounting bracket, SMA connector, 25' cable
UHF-A13H-10	719-1313-09H-10	13" x 13" x 2.5", 9dbi, Linear Horizontal Polarized, mounting bracket, SMA Conn., 10' cable
UHF-A13H-25	719-1313-09H-25	13" x 13" x 2.5", 9dbi, Linear Horizontal Polarized, mounting bracket, SMA Conn., 25' cable
UHF-A18C-10	719-0018-12C-10	18" sq. Ant x 1.25", 12dbi, Circular Polarized, mounting bracket, N Connector, 10' cable
UHF-A18C-25	719-0018-12C-25	18" sq. Ant x 1.25", 12dbi, Circular Polarized, mounting bracket, N Connector, 25' cable
UHF-A18V-10	719-1818-12V-10	18" sq. Ant x 1.25", 12dbi, Linear Vertical Polarized, mounting bracket, N Conn., 10' cable
UHF-A18V-25	719-1818-12V-25	18" sq. Ant x 1.25", 12dbi, Linear Vertical Polarized, mounting bracket, N Conn., 25' cable
UHF-A18H-10	719-1818-12H-10	18" sq. Ant x 1.25", 12dbi, Linear Horizontal Polarized, mounting brack, N Conn., 10' cable
UHF-A18H-25	719-1818-12H-25	18" sq. Ant x 1.25", 12dbi, Linear Horizontal Polarized, mounting brack, N Conn., 25' cable
UHF-A3304H-10	719-3304-10H-10	33" x 4" x 1", 10dbi, Linear Polarized, SMA connector, 10' cable
UHF-A3304H-25	719-3304-10H-25	33" x 4" x 1", 10dbi, Linear Polarized, SMA connector, 25' cable



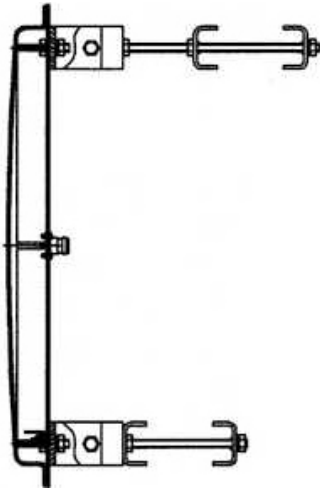


Antennas

Model UHF-18C

Model UHF-18H

Model UHF-18V



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)	

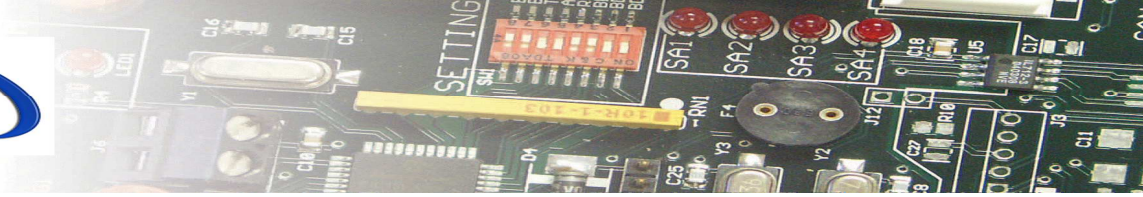
RF Characteristics:	C denotes Circular Polarized	H denotes Horizontal Polarized	V denotes Vertical Polarized
		Horizontal 3D Beam 43° +/-5°	Vertical 3D Beam 38° +/-2°
	Gain:	12dbi	

Electrical:	Impedance:	50Ω	
	Lightening Protection:	Direct Ground	

Materials:	Cover	ABS	
	Back Plate	Aluminum	
	Mounting Brackets	Metal	

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

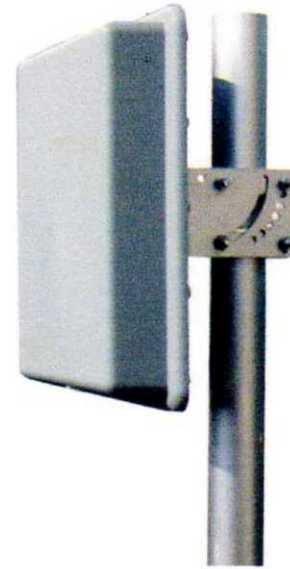
Part numbers:	915 MHz (USA)	865-868 MHz (Euro)	
	719-0018-12C	719-0018-12C-EU	
	719-1818-12V	719-1818-12V-EU	
	719-1818-12H	719-1818-12H-EU	



Antennas

Model UHF-A13C

Model UHF-A13H



Physical:	Dimensions (Housing Only):	12,8" x 12.8" x 2.56"	325mm x 325mm x 65mm
	Weight (w/mounting hardware):	4.7 lbs.	2.1 KG
	Connector:	SMA	

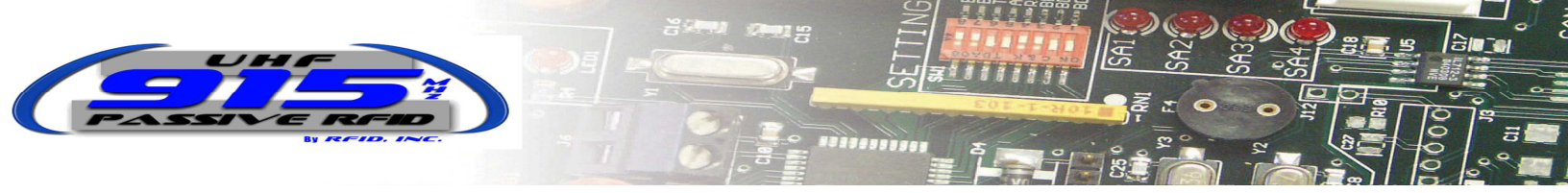
RF Characteristics:	C denotes Circular Polarized	H denotes Horizontal Polarized	
		Horizontal 3D Beam 60° +/-5°	
	Gain:	9dbi	

Electrical:	Impedence:	50Ω	
	Lightening Protection:	Direct Ground	

Materials:	Cover	ABS	
	Back Plate	Aluminum	
	Mounting Brackets	Metal	

Environment:	Storage Temperature:	-94°F to +176°F	-70°C to +80°C
	Operating Temperature:	-94°F to +131°F	-70°C to +55°C
	Ingress Protection:	IP-56	

Part numbers:	915 MHz (USA)	865-868 MHz (Euro)	
	719-1313-09C	719-1313-09C-EU	
	719-1313-09H	719-1313-09H-EU	

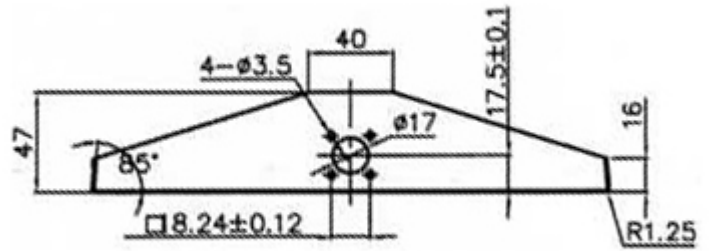
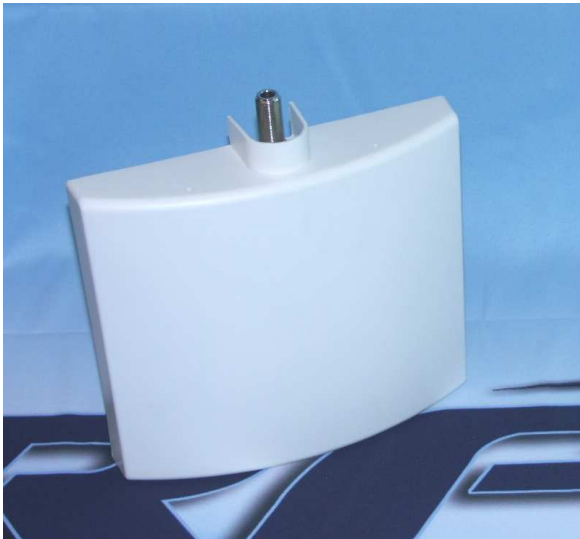


Antennas

Model UHF-99C

Model UHF-99H

Model UHF-99V



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	

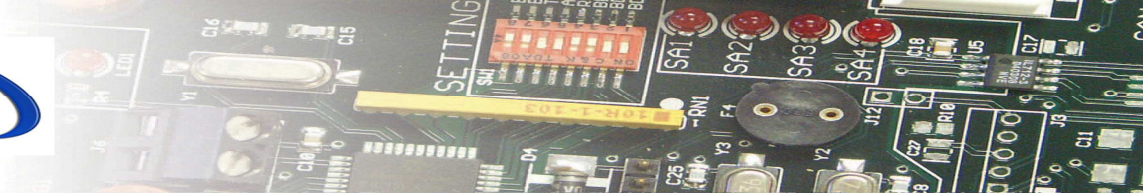
Electrical:	Impedence:	50Ω	
	Lightening Protection:	Direct Ground	

Materials:	Cover	ABS	
	Back Plate	Aluminum	
	Mounting Brackets	Metal	

Environment:	Storage Temperature:	-94°F to +176°F	-70°C to +80°C
	Operating Temperature:	-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	



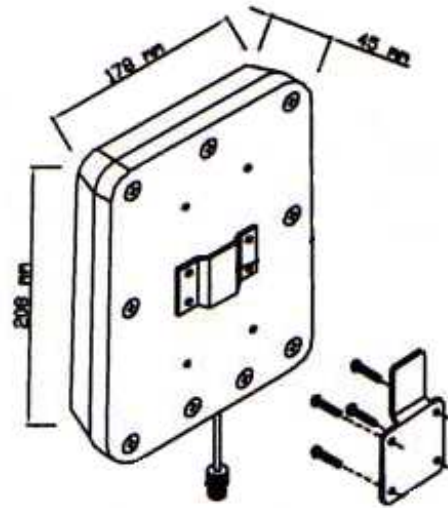


Antennas

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)	

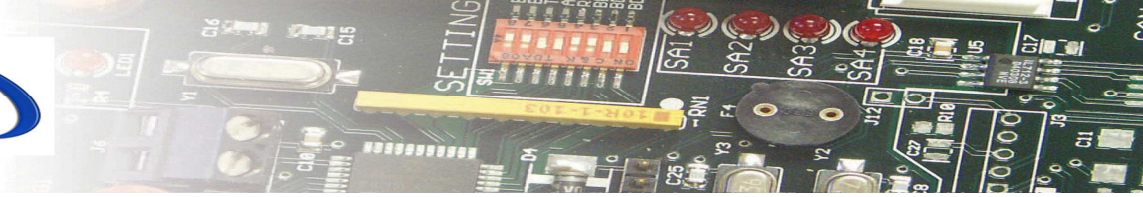
RF Characteristics:	C denotes Circular Polarized	H denotes Horizontal Polarized	V denotes Vertical Polarized
		Horizontal 3D Beam 70° +/-5°	Vertical 3D Beam 50° +/-2°
	Gain:	7dbi	

Electrical:	Impedence:	50Ω	
	Lightening Protection:	Direct Ground	

Materials:	Cover	ABS	
	Back Plate	Aluminum	
	Mounting Bracket	Aluminum	

Environment:	Storage Temperature:	-94°F to +176°F	-70°C to +80°C
	Operating Temperature:	-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	



Antennas

Model UHF-A10C

Model UHF-A10H



Physical:	Dimensions:	16" x 12" x 4.3"	410mm x 310mm x 110mm
	Weight:	3 lbs.	1.38 kg
	Connector:	N Type (Female)	

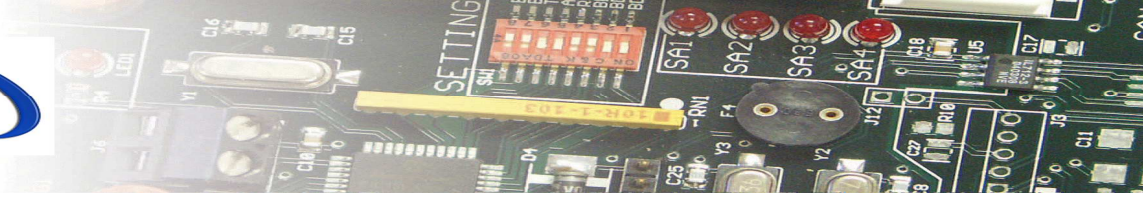
RF Characteristics:	C denotes Circular Polarized	H denotes Horizontal Polarized	
		Horizontal 3D Beam 60° +/-5°	
	Gain:	8dbi	

Electrical:	Impedance:	50Ω	
	Lightening Protection:	Direct Ground	

Materials:	Cover	ABS	
	Back Plate	Aluminum	
	Mounting Bracket	Aluminum	

Environment:	Storage Temperature:	-94°F to +176°F	-70°C to +80°C
	Operating Temperature:	-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)	
	719-1010-08C	719-1010-08C-EU	
	719-1010-08H	719-1010-08H-EU	



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

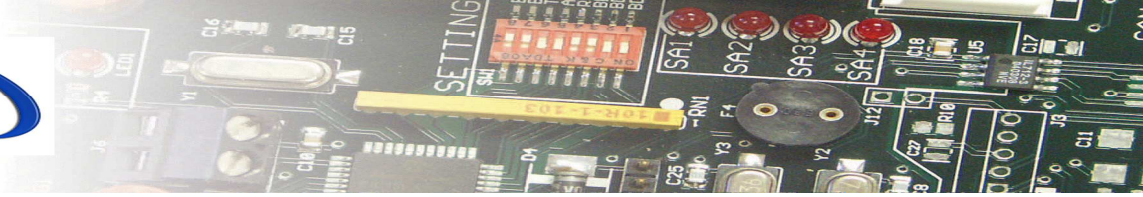
RF Characteristics:	C denotes Circular Polarized	H denotes Horizontal Polarized	V denotes Vertical Polarized
		Horizontal 3D Beam 60° +/-5°	Vertical 3D Beam 30°
	Gain:	10dbi	

Electrical:	Impedence:	50Ω	
	Lightening Protection:	Direct Ground	

Materials:	Cover	GFRP	
		(Glass Fiber Reinforced Polymer)	

Environment:	Storage Temperature:	-94°F to +176°F	-70°C to +80°C
	Operating Temperature:	-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)	
	719-3304-10H	719-3304-10H-EU	

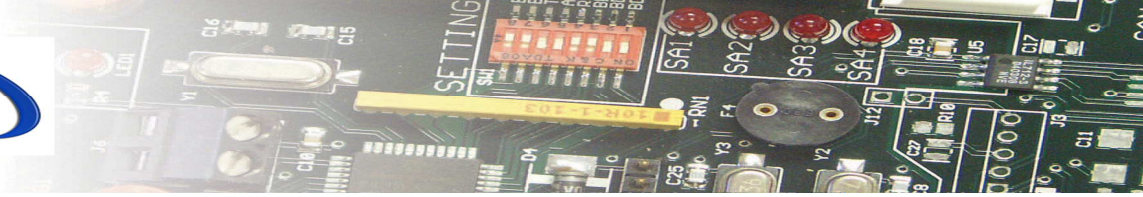


Antenna

Model UHF-A55V

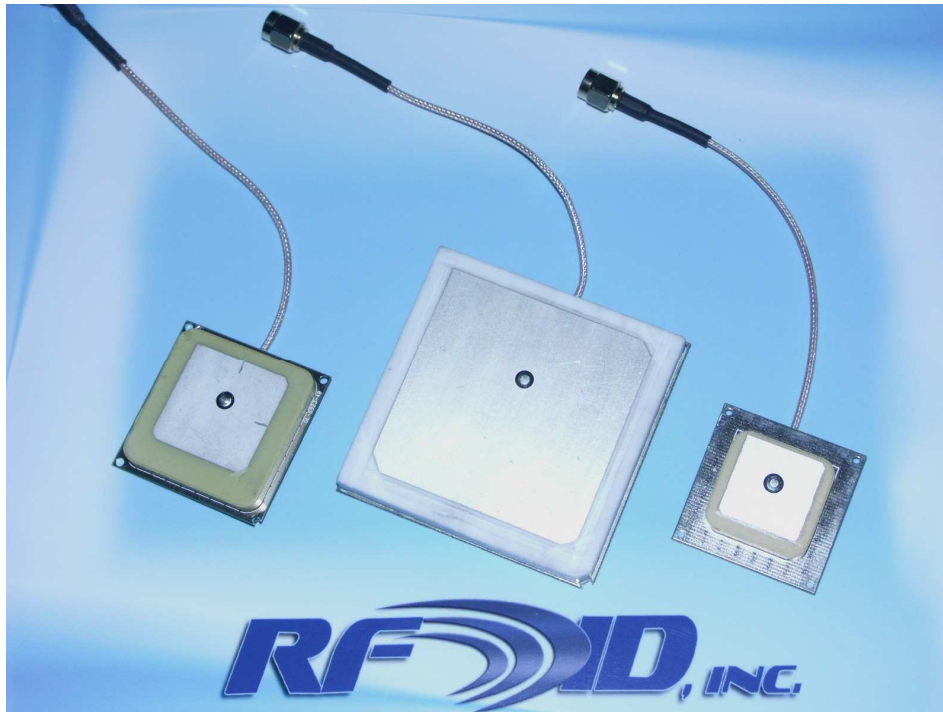


Physical:	Dimensions:	4.75" x 4.735" x 0.0625"	120mm X 112mm x 2mm
	Weight (with cable):	2.4 oz.	70 grams
	Connector:	SMA	
RF Characteristics:	V denotes Vertical Polarization	Horizontal Beam 360°	Vertical Beam 62° +/-2°
	Gain:	2dbi	
Electrical:	Impedence:	50Ω	
	Lightening Protection:	Direct Ground	
Material:	FR4		
Environment:	Storage Temperature:	-94°F to +176°F	-70°C to +80°C
	Operating Temperature:	-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	



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	

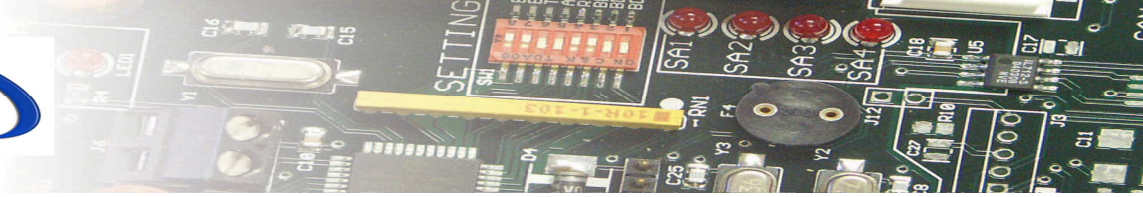
Physical:	Polarization:	C denotes Circular Polarized	
	Connector:	SMA	
	Materials:	Ceramic on Aluminum Back	

Electrical:	Impedence:	50Ω	
	Lightening Protection:	Direct Ground	

Environment:	Storage Temperature:	-94°F to +176°F	-70°C to +80°C
	Operating Temperature:	-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



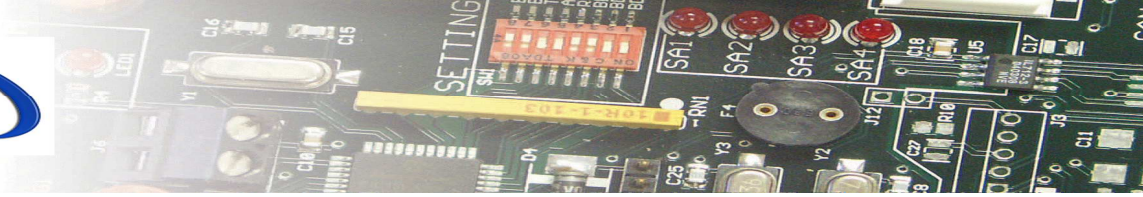
Model Number	Part Number	Description	Read Range (using Model A18H 12 dbi Antenna)
F1809	807-0001-F1809	18x9mm, peel & stick backing	2'
F2208	807-0001-F2208	22x8mm, peel & stick backing	3'
F3613	807-0001-F3613	36x13mm, peel & stick backing	3'
F6604	807-0001-F6604	66x4mm, peel & stick backing, w/mounting holes	6.5'
F9011	807-0001-F9011	90x11mm, peel & stick backing, w/mounting holes	15'
F7020	807-0001-F7020	70x20mm, peel & stick backing, w/mounting holes	21'
F9525	807-0001-F9525	95x25mm, peel & stick backing, w/mounting holes	24'

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	
	Antenna:	Etched copper foil	

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



M = Metal Mount

MG = Magnetic Backing

HT = High Temperature

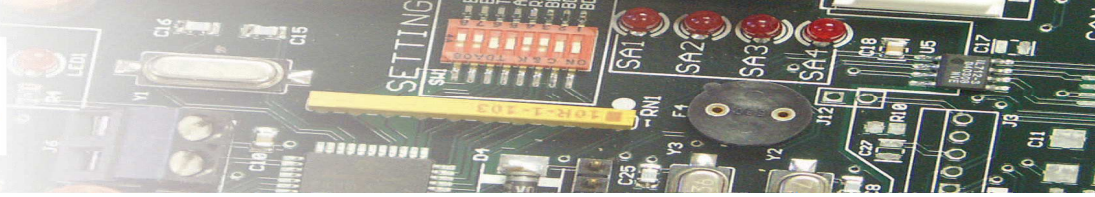
Model Number	Part Number	Description	Read Range (12 dbi Antenna)
A10324M	807-0002-A10324M	ABS, Metal Mount, Dark Gray, 103x24x8mm, w/mounting holes	0 to
A11732M	807-0002-A11732M	ABS, Metal Mount, Dark Gray, 117x32x8mm, w/mounting holes	95'
A11732	807-0002-A11732	ABS, Dark Gray, 117x32x8mm, w/mounting holes	
A7931	807-0002-A7931	ABS, Dark Gray, 79x31x9mm, w/mounting holes	8'
A15532	807-0002-A15532	ABS, Dark Gray, 155x32x10mm, w/mounting holes	50'
A5316M	807-0002-A5316M	ABS, Metal Mount, Light Gray, 53x16x9mm, w/mounting holes, IP67	4.5' Free Air 23' On Metal
A5316M-MG	807-0002-A5316M-MG	ABS, Metal Mount, Light Gray, 53x16x9mm, w/mounting holes and magnetic backing, IP67	90'
A5252M-HT	807-0002-A5252M-HT	ABS, Metal Mount, Light Gray, 52x52x10mm, w/mounting holes, High Temp 200c, IP67	90'
A15023M	807-0002-A15023M	ABS, Metal Mount, Light Gray, 150x23x18mm, w/mounting holes	95'
A15023M-HT	807-0002-A15023M-HT	ABS, Metal Mount, Light Gray, 150x23x18mm, w/mounting holes, High Temp 200c	65'
A13520M	807-0002-A13520M	ABS, Metal Mount, Blue, 135x20x15mm, w/mounting holes	90'

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)

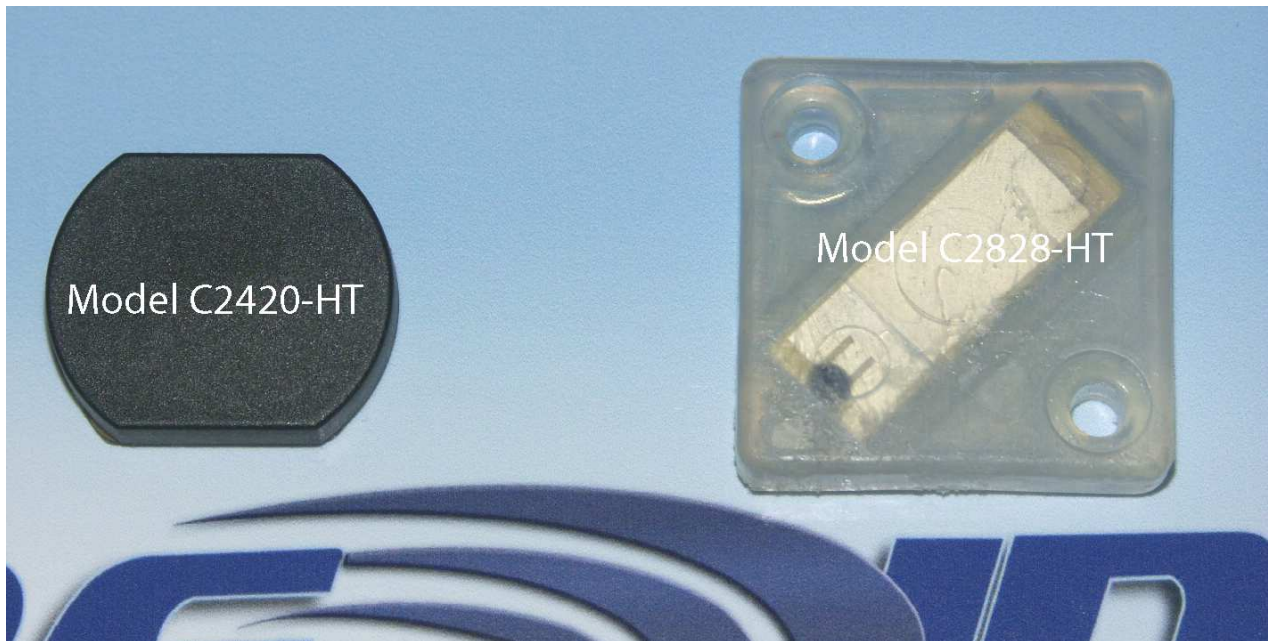
Mechanical:	Tag material:	ABS
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Environmental:	Temp, High Temp Tags	See high temp Tag specs next page
	Temp, Op., standard Tags	-40°F to +185°F
	Ingress Protection:	IP67 & IP68, Tag dependent





High Temperature Tags



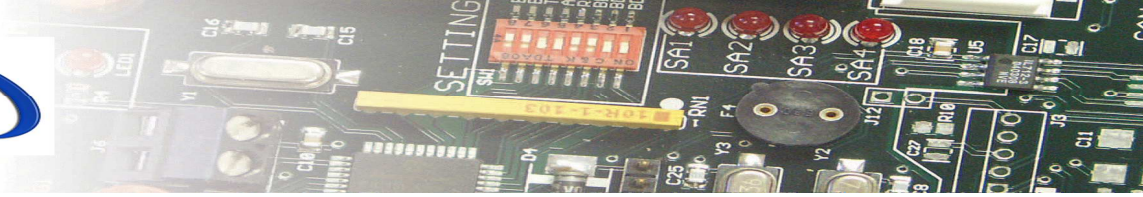
Model Number	Part Number	Description	Read Range (12 dbi Antenna)
Fxxxx	See page 12	All PCB Tags can survive 200°c (392°F) indefinite	
Cxxxx	See page 16	All Ceramic Tags can survive 200c° (392°F) indefinite	
C2117	807-0004-C2117-HT	Ceramic w/PPA housing, 21x17mm, High Temp 200°c 10 hours, 230°c 1 hour	15'
A5252M-HT	807-0002-A5252M-HT from page 12	ABS, Metal Mount, Light Gray, 52x52x10mm, w/mounting holes, High Temp 200°c, IP67,	5.5'
A15023M-HT	807-0002-A15023M-HT from page 12	ABS, Metal Mount, Light Gray, 150x23x18mm, w/mounting holes, High Temp 200°c	
C2828-HT	807-0004-C2828-HT	Ceramic w/FPA housing, 28mm sq. x 7mm, 2 mounting holes, High Temp 260°c 1 hour	4'



←A5252M-HT

A15023M-HT↓





Ceramic

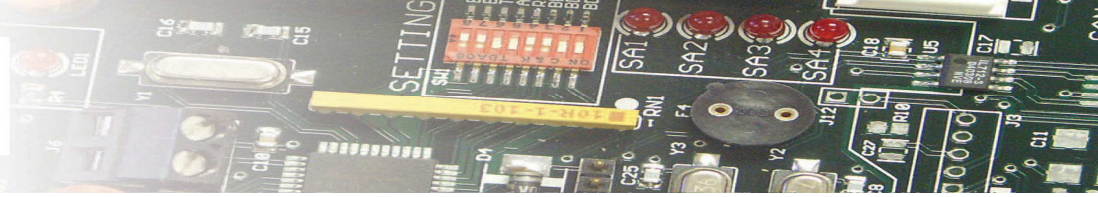


Model Number	Part Number	Description	Read Range (using Model A18H 12 dbi Antenna)
C10	807-0004-C10	Ceramic, 10mm diameter x 2mm	0'
C16	807-0004-C16	Ceramic, 16mm diameter x 3mm	2'
C1309	807-0004-C1309	Ceramic, 13x9x3mm	1'
C1909	807-0004-C1909	Ceramic, 19x9x3mm	1'
C2420-HT	807-0004-C2420-HT	Ceramic w/PPA housing, 21x17mm, High Temp 200c 10 hours, 230c 1 hour	15'
C2509	807-0004-C2509	Ceramic, 25x9x3mm	1'
C2525	807-0004-C2525	Ceramic, 25mm square x 3mm	8'
C2828-HT	807-0004-C2828-HT	Ceramic w/FPA housing, 28mm sq. x 7mm, 2 mounting holes, High Temp 230c 1 hour	4'
C3030	807-0004-C3030	Ceramic, 30mm square x 3mm	9'

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	
	Antenna:	Etched copper foil	

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	



PVC Cards & Hang Tags

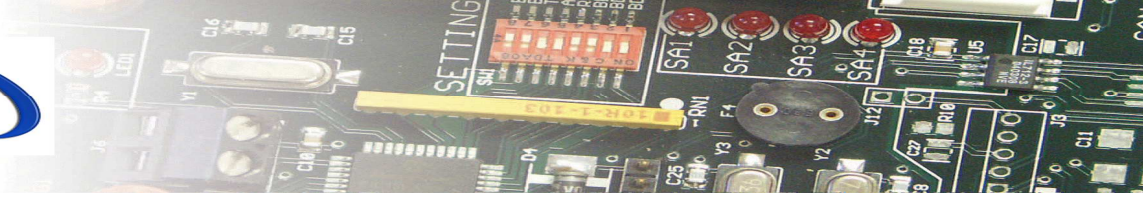


Model Number	Part Number	Description	Read Range (using Model A18H 12 dbi Antenna)
P6045	807-0003-P6045	PVC Hang Tag, 60x45mm	
P9133	807-0003-P9133	PVC Hang Tag, 91x33mm	
P1770S	807-0077-P8654S	ISO Card, glossy PVC with slot, 86X54mm	90'

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:	PVC	
	Sticker:	3M9495LE	
	Antenna:	Etched copper foil	

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



Alligator Clip



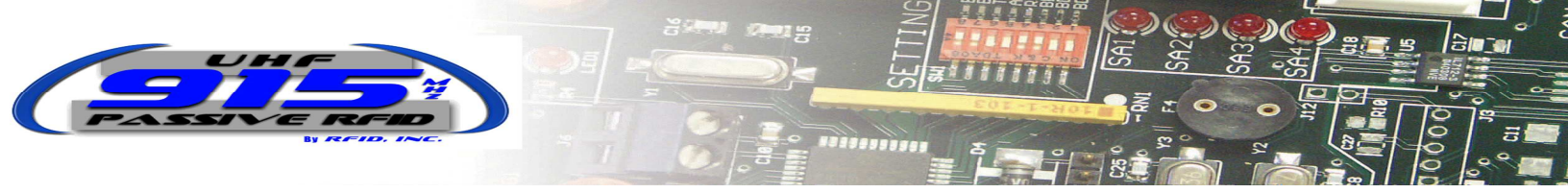
Model Number	Part Number	Description	Read Range (using Model A18H 12 dbi Antenna)
AC7025	807-0005-AC7025	Alligator Clip, Light Gray, 70x25mm	20'

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:	PVC w/metal clip spring	
	Bar Code:	Optional	

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





Plant Tag



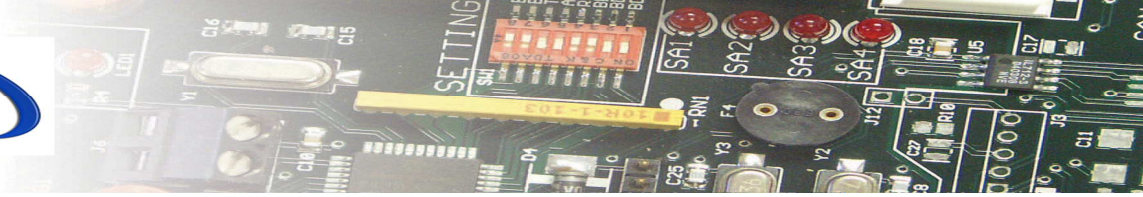
Model Number	Part Number	Description	Read Range (using Model A18H 12 dbi Antenna)
PT15560	807-0007-PT15560	Plant Tag, 155x60mm, ABS	19'

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:	ABS	
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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	

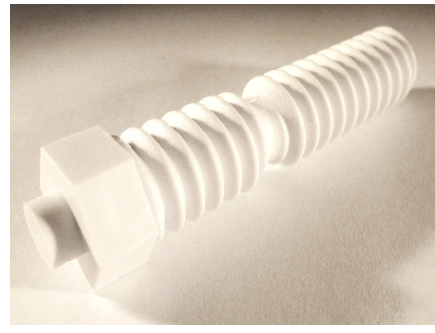




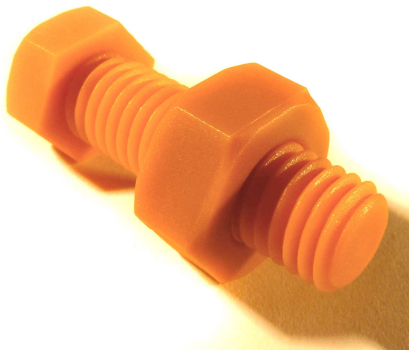
Screw & Bolt Tags



BTxx



ST10



ST30



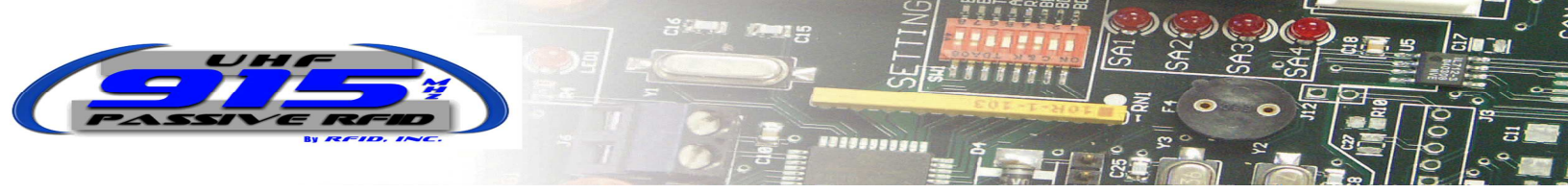
BT2020

Model Number	Part Number	Description	Read Range (using Model A18H 12 dbi Antenna)
BTxx	807-0006-BTxx	Bolt Tag, metal, available in all standard bolt and pitch sizes	
ST30	807-0006-ST3015	Screw Tag, plastic, plug style, black, 30mm diameter x 15mm, ABS	
ST10	807-0006-ST10	Screw Tag, plastic, 10mm head x 55mm, ABS	
BT2020	807-0006-BT2020	Bolt Tag, square plastic head 20x20mm for installation by hand, metal shaft	

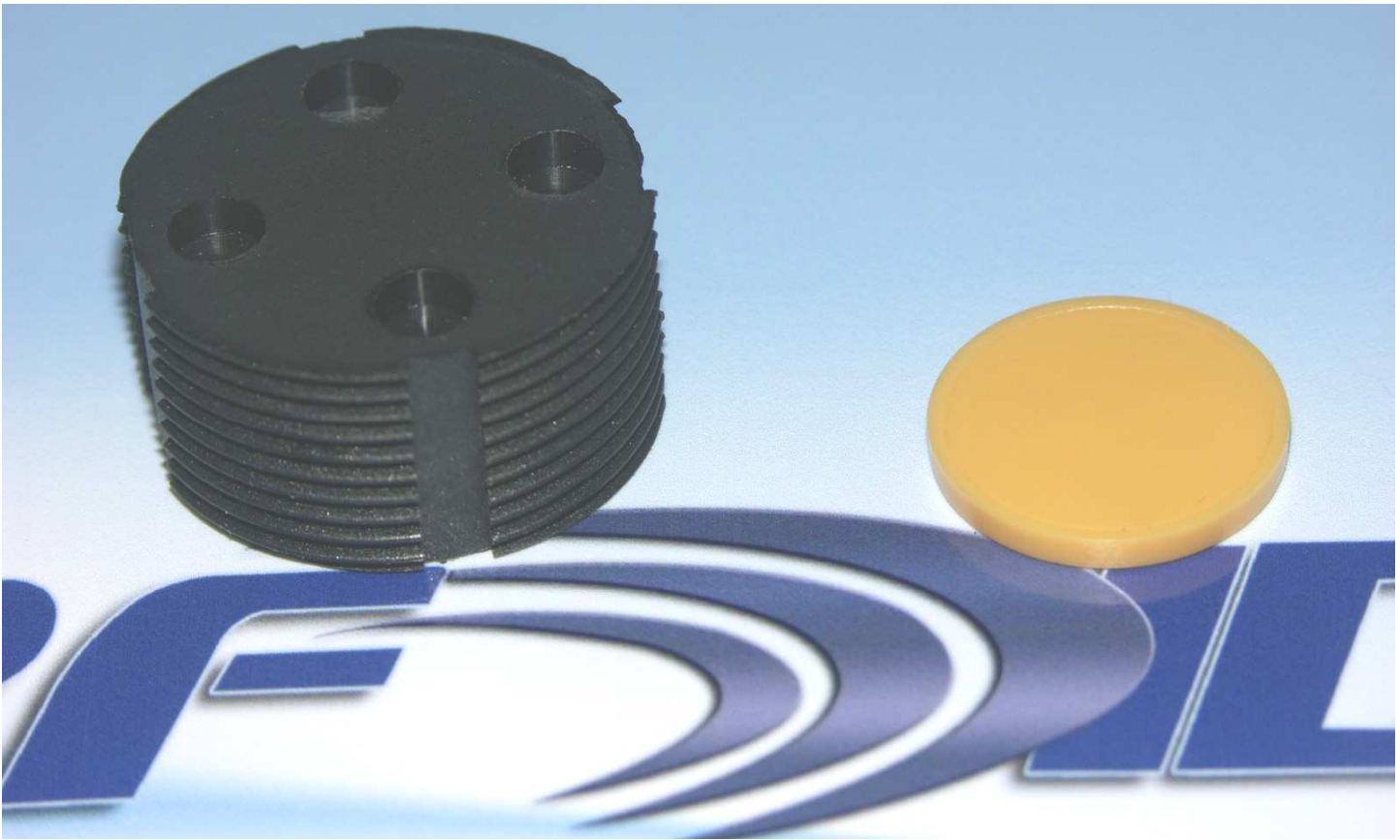
Memory	Sizes (chip dependent):	96, 128, 512, 1k, 2k, 8k bits	100k write cycles max
	Standard:	EPC Class1 Gen2	ISO 18000-6C
	Frequency:	902 – 928 MHz (North America)	860 – 870 MHz (EU, Japan)

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

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



Threaded Plug and 20mm Diameter ABS Tag



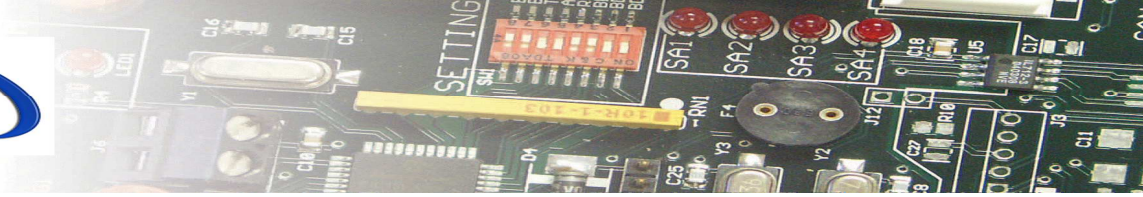
Model Number	Part Number	Description	Read Range (using Model A18H 12 dbi Antenna)
ST30	807-0006-ST3015	Screw Tag, plastic, plug style, black, 30mm diameter x 15mm	12'
A20	807-0002-A20	ABS, yellow, 20mm diameter x 2.5mm	1'

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)

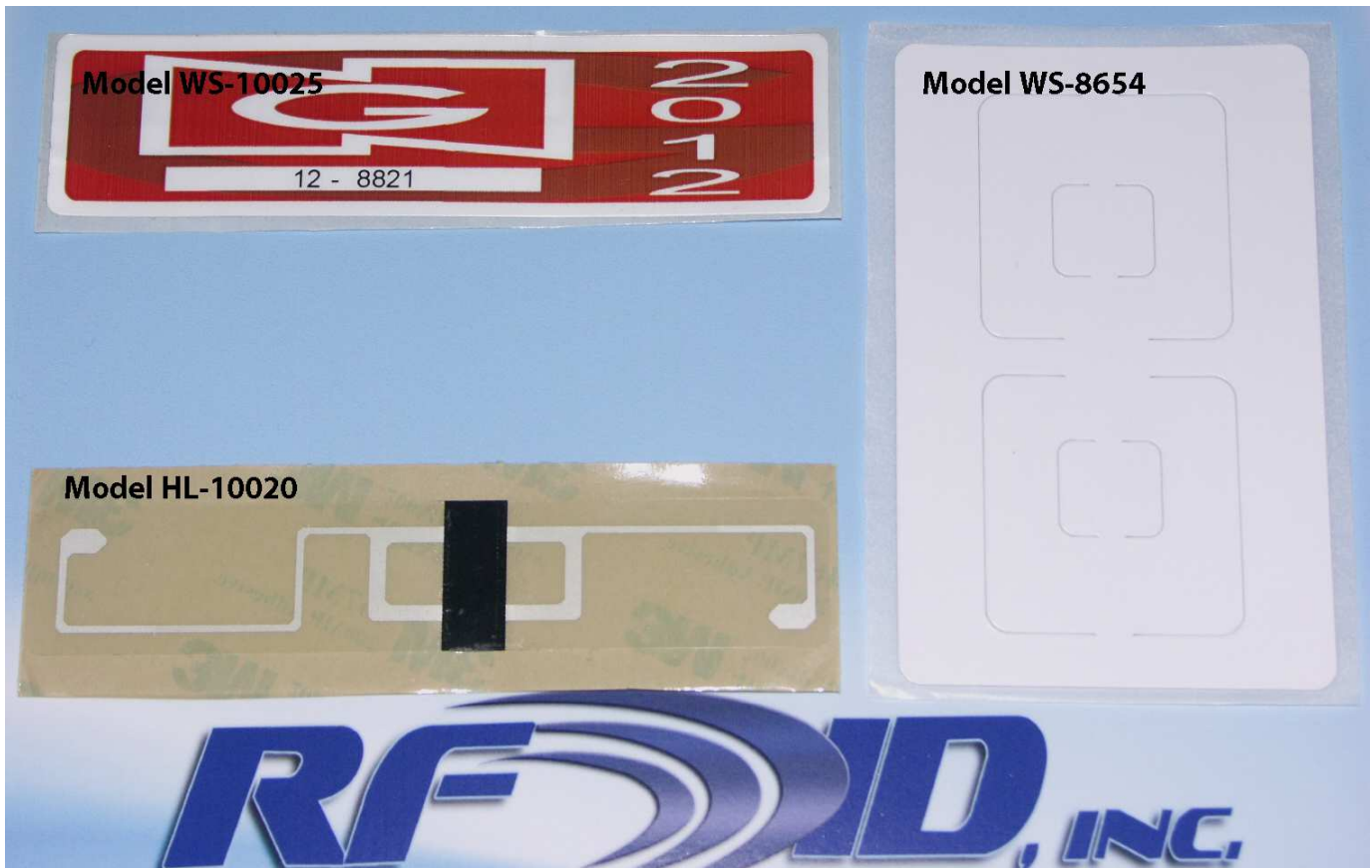
Mechanical:	ST30 Tag Material:	PA-6	
	A20 Tag Material:	ABS	

Environmental:		ST30	A20
	Temp, Storage:	-40°F to +248°F (-40°C to +120°C)	-20°F to +185°F (-20°C to +85°C)
	Temp, Operation:	-40°F to +185°F (-40°C to +85°C)	-40°F to +185°F (-40°C to +85°C)
	Ingress Protection:	IP68	IP68





Vehicle Tags – Windshield & Headlight

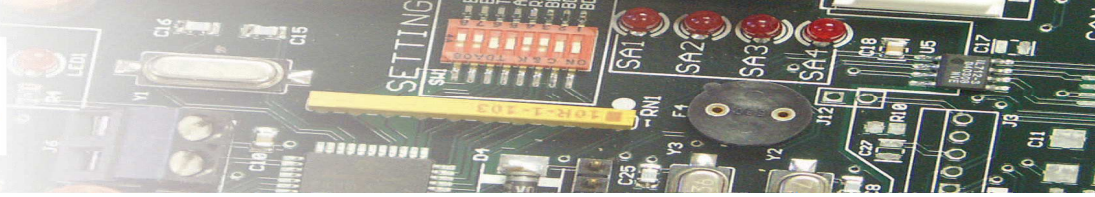


Model Number	Part Number	Description	Read Range (using Model A18H 12 dbi Antenna)
WS8654	807-0008-WS8654	Windshield Tag, flexible label, tamperproof, standard credit card sized 86x54mm	50'
WS10025	807-0008-WS10025	Windshield Tag, flexible label, 100x25mm	
HL10020	807-0008-HL10020	Headlamp Tag, flexible label, tamperproof, 100x20mm	

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	

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	



Metal Mount Label Tags



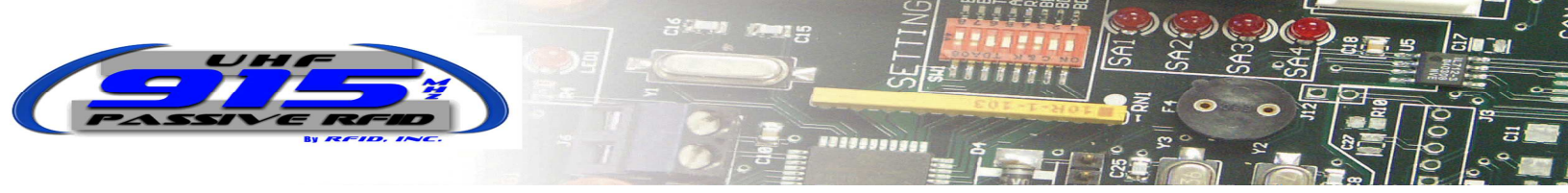
Model Number	Part Number	Description	Read Range (using Model A18H 12 dbi Antenna)
ML7535	807-0020-ML7535	Metal Label Tag, Flexible, 2.875" x 1.375" x 0.02", (73x35mm), on reel of 500	21' On Metal
ML10238	807-0020-ML10238	Metal Label Tag, 4" x 1.5" x 0.03" (102x38x0.76mm), on reel of 500	18' On Metal
ML4506	807-0020-ML4506	Metal Label Tag, 1.77" x 0.22" x 0.03" (45x6x0.86mm), on reel of 500	5' On Metal

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
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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	





Sticker Tags



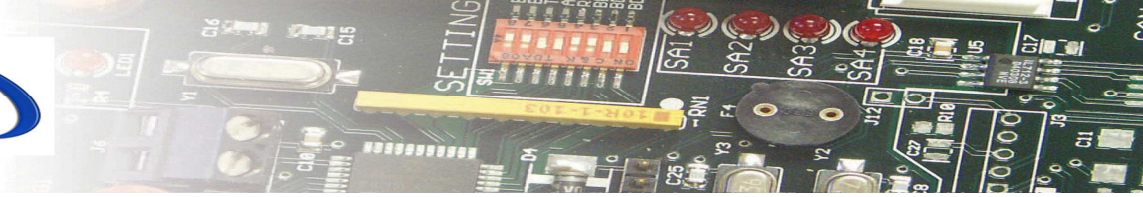
Model Number	Part Number	Description	Read Range (using Model A18H 12 dbi Antenna)
PSL1613	807-0009-PSL1613	Peel & Stick Label, 16x13mm, on roll	
PSL2525	807-0009-PSL2525	Peel & Stick Label, 25x25mm, on roll	6'
PSL21	807-0009-PSL21	Peel & Stick Label, 21mm diameter, on roll	

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)

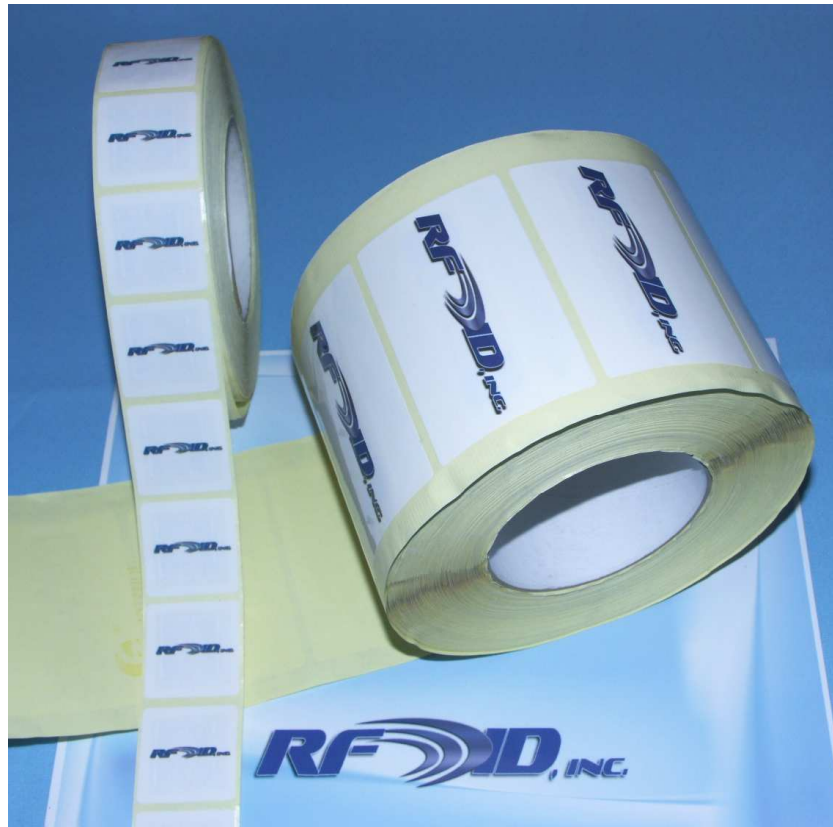
Mechanical:	Tag Material:	PET w/aluminum antenna	
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Environmental:	Temp, Storage:	-40°F to +185°F	(-40°C to +85°C)
	Temp, Operating:	-40°F to +185°F	(-40°C to +85°C)
	Ingress Protection:	IP65	





Roll Stock Labels



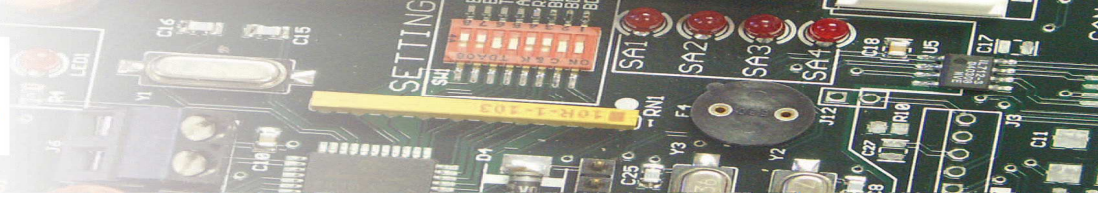
Model Number	Part Number	Description	Read Range (using Model A18H 12 dbi Antenna)
RS3015	807-0019-RS3015	Roll Stock, 30x15mm, label for bar code printing	
RS3535	807-0019-RS3535	Roll Stock, 35x35mm, label for bar code printing	22'
RS4025	807-0019-RS4025	Roll Stock, 40x25mm, label for bar code printing	
RS5050	807-0019-RS5050	Roll Stock, 50x50mm, label for bar code printing	
RS5517	807-0019-RS5517	Roll Stock, 55x17mm, label for bar code printing	
RS7323	807-0019-RS7323	Roll Stock, 73x23mm, label for bar code printing	
RS8654	807-0019-RS8654	Roll Stock, 86x54mm, label for bar code printing	90'
RS10015	807-0019-RS10015	Roll Stock, 100x15mm, label for bar code printing	

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)

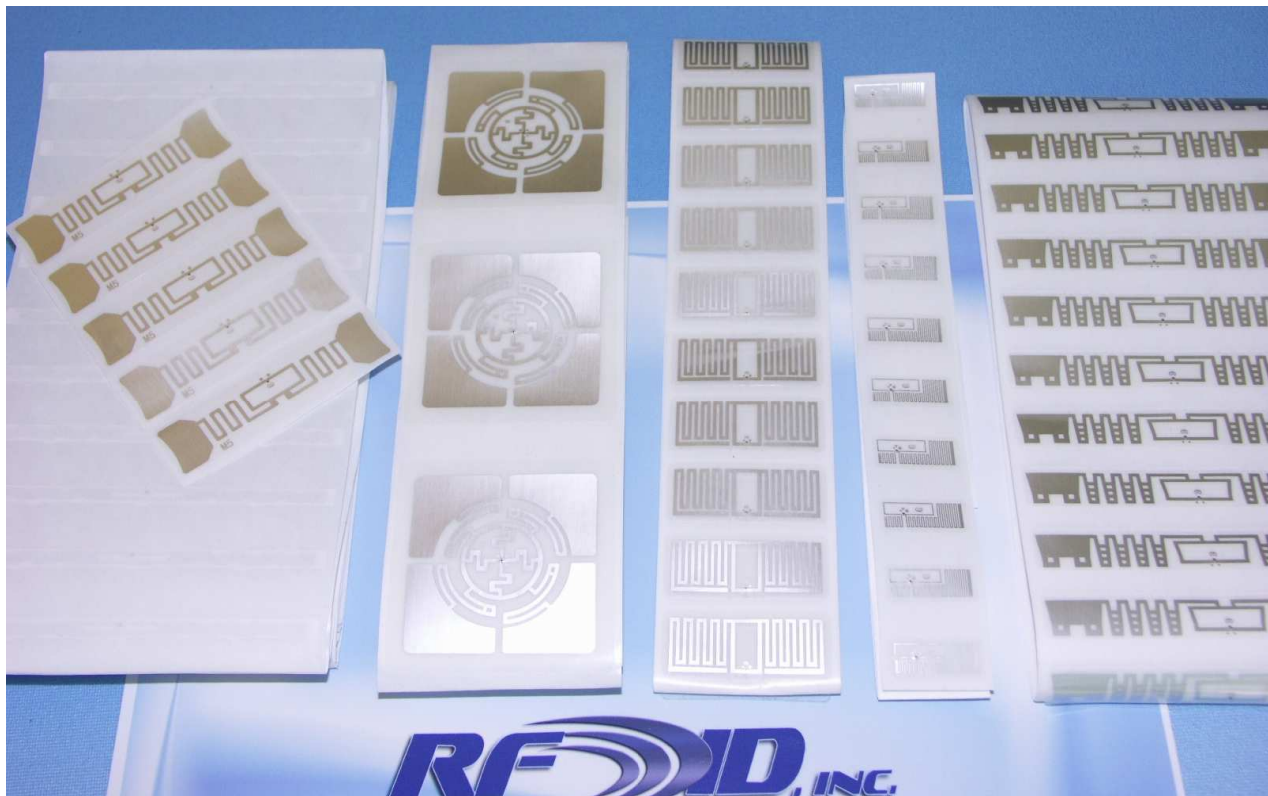
Mechanical:	Tag Material:	Paper label w/ adhesive backing	
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Environmental:	Temp, Storage:	-40°F to +185°F	(-40°C to +85°C)
	Temp, Operating:	-40°F to +185°F	(-40°C to +85°C)
	Ingress Protection:	IP65	





Inlays



All are available as Dry (no sticky back) or Wet (sticky back) Inlays. Substitute D or W where x is seen in the Model #.

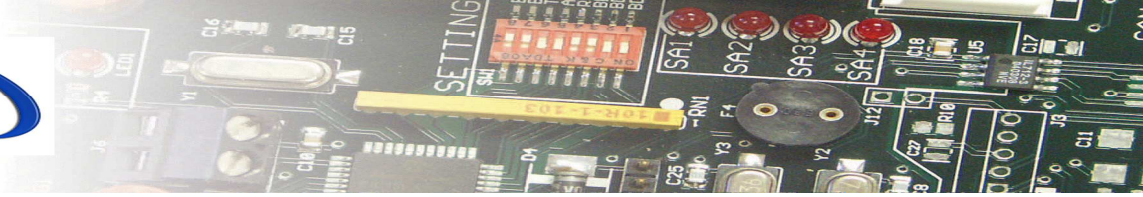
Model Number	Part Number	Description	Read Range (using Model A18H 12 dbi Antenna)
Ix10006	807-0010-Ix10006	Inlay, Wet/Dry, 100x6mm	
Ix2208	807-0010-Ix2208	Inlay, Wet/Dry, 22x8mm	6'
Ix9409	807-0010-00-Ix9409	Inlay, Wet/Dry, 94x9mm	
Ix5030	807-0010-00-Ix5030	Inlay, Wet/Dry, 50x30mm	26'
Ix5050	807-0010-00-Ix5050	Inlay, Wet/Dry, 50x50mm	50'
Ix7019	807-0010-00-Ix7019	Inlay, Wet/Dry, 70x19mm	
Ix4115	807-0010-00-Ix4115	Inlay, Wet/Dry, 41x15mm	32'

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	
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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	





Keyfobs

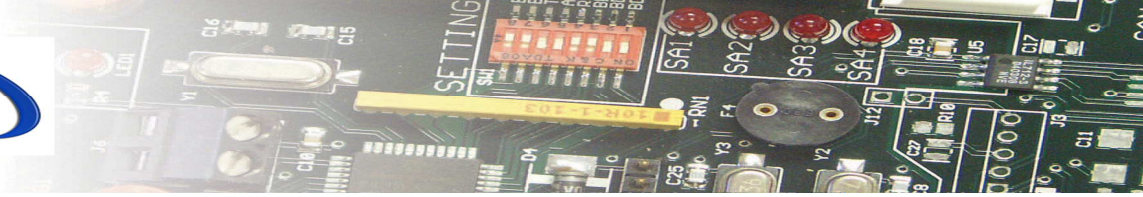


Model Number	Part Number	Description	Read Range (using Model A18H 12 dbi Antenna)
KF1	807-0012-KF1	Keyfob, blue or red teardrop style	6'

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:	Tag Material:	ABS	

Environmental:	Temp, Storage:	-40°F to +212°F	(-40°C to +100°C)
	Temp, Operating:	-40°F to +185°F	(-40°C to +85°C)
	Ingress Protection:	IP67	



Wrist Bands

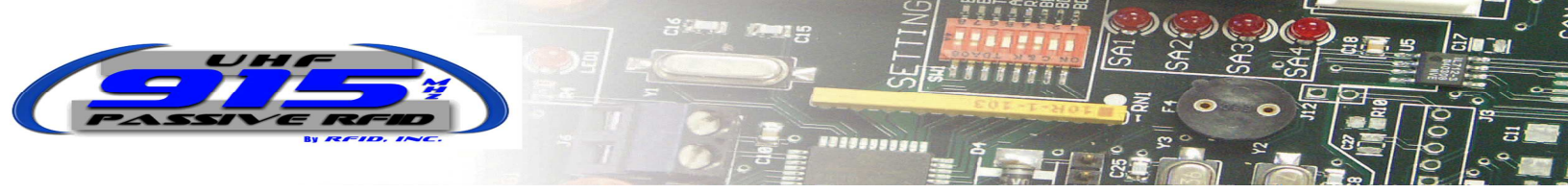


Model Number	Part Number	Description	Read Range (using Model A18H 12 dbi Antenna)
WB-PB	807-0014-WB-PB	Wrist Band, Patient Style, Blue	5' On Wrist
WB-PP	807-0014-WB-PP	Wrist Band, Patient Style, Pink	5' On Wrist
WB-V1	807-0014-WB-V1	Wrist Band, hard plastic w/velcro band, yellow	20' On Wrist

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	WL6025	BN1703
Tag Material:	PVC	PVC	ABS

Environmental	WB-PB	WL6025	BN1703
Storage Temperature:	-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)
Operating Temperature:	-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



Laundry Tags



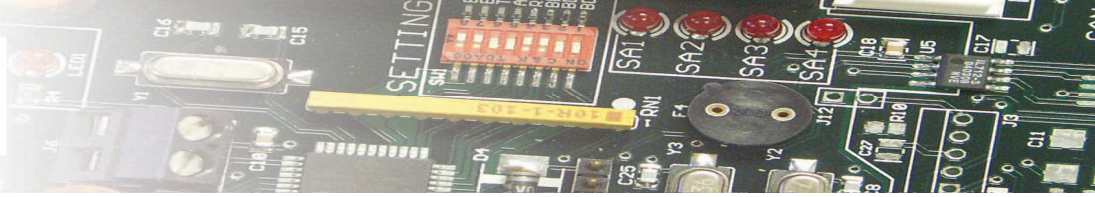
Model Number	Part Number	Description	Read Range (using Model A18H 12 dbi Antenna)
SL5525	807-0015-SL5525	Silicon, flexible laundry Tag, 55x25x2mm, blue	22'
WL6025	807-0015-WL6025	Woven Label, for garments, 60x25mm, label inside woven polyester pocket	1'
BN1703	807-0015-BN1703	Button Tag, for garments, 17mm dia. X 3mm, 2 holes, white, polyester backing 130x30mm	21'

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)

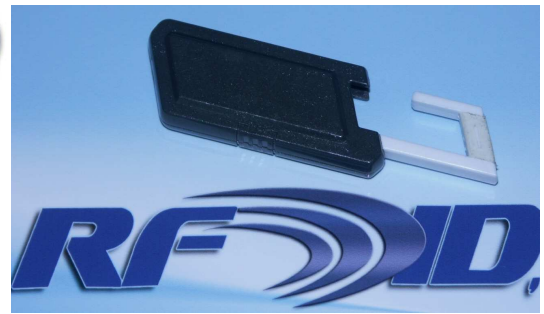
Mechanical:	SL5525	WL6025	BN1703
Tag Material:	Silicon	Woven Polyester Pocket w/laminate insert	Polyester backing w/Antenna

Environmental	SL5525	WL6025	BN1703
Storage Temperature:	140°C (60 minutes) 200°C (10 minutes)	140°C (60 minutes) 200°C (10 minutes)	140°C (60 minutes) 200°C (10 minutes)
Operating Temperature:	-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:	IP68	IP68	IP68
Pressure:	500N	500N	200N
Life Cycle	200 washes	Indefinite	Indefinite





Security/Attachable Tags

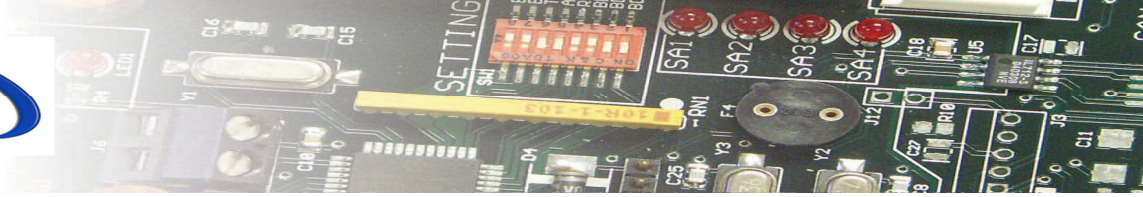


Model Number	Part Number	Description	Read Range (using Model A18H 12 dbi Antenna)
S6028	807-0017-S6028	Seal, tie strap type, 60x28mm main body w/285mm strap, green	35'
S11030	807-0017-S11030	Seal, tie strap type, 110x30mm main body w/220mm strap, yellow	90'
S5513	807-0018-S5513	Security Tag, PVC, 55x13mm	6'
S5523	807-0018-S5523	Security Tag w/lock down secure technology, gray, 55x23x9mm	23'

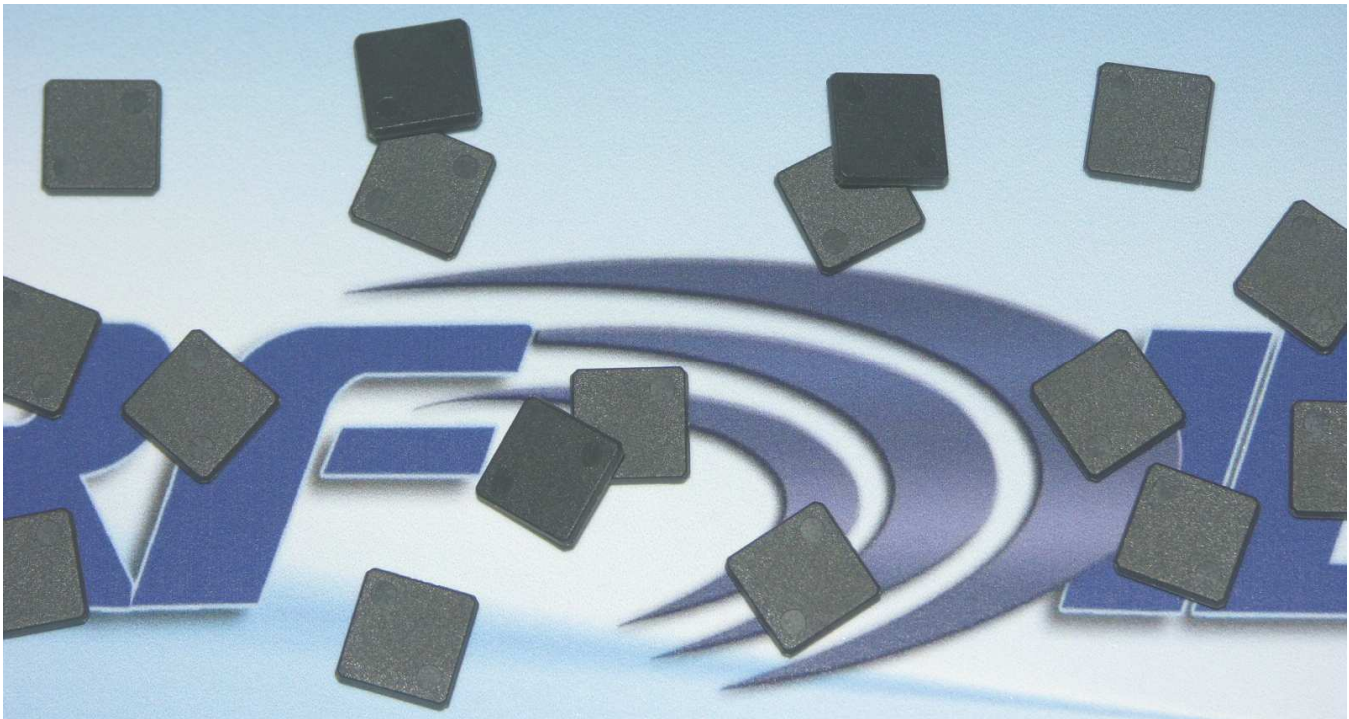
Memory:	Sizes (chip dependent):	96, 128, 512, 1k, 2k, 8k bits	100k write cycles max
	Standard:	EPC Class1 Gen2	ISO 18000-6C
	Frequency:	902 – 928 MHz (North America)	860 – 870 MHz (EU, Japan)

Mechanical	S6028	S11030	J5513	J5523
Tag Material:	Polypropylene	Polypropylene	PVC Laminate	ABS

Environmental	S6028	S11030	J5513	J5523
Storage Temperature:	-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)
Operating Temperature:	-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:	IP68	IP68	IP65	IP65



Mini Square Tag



Model Number	Part Number	Description	Read Range (using Model A18H 12 dbi Antenna)
MS77	807-0016-MS77	Mini Square, 7mm x 7mm x 1.4mm, Epoxy	0'

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:	Epoxy		
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Environmental:	Temp, Storage:	-40°F to +365°F (30 minutes)	-40°F to +185°C (30 minutes)	
	Temp, Operating:	-40°F to +365°F (30 minutes)	-40°F to +185°C (30 minutes)	
	Ingress Protection:	IP68		