









Please note: Read ranges quoted on this data sheet are achieved in standard testing. Actual performance may differ based on reader and antenna used as well as environmental factors.



by RTEC in standard

UHF RFID TAGS by

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	RINO SERIES		IRON LABEL SERIES			ELEMENT SERIES		
	RINO	RINO L	IRON LABEL - STANDARD	IRON LABEL - LITE	IRON LABEL - MINI	ATOM	PROTON	BOSON
Product Image								
Dimensions (mm)	14 x 38 x 3.4	15 x 50 x 5.5	45 x 90 x 1	30 x 90 x 1	5 x 65 x 1	9 x 25 x 3.2	5 x 10 x 3.2	5 x 5 x 3.2
Operating Frequency	866~868 MHz (EU) 902~928 MHz (US)	866~868 MHz (EU) 902~928 MHz (US)	866~868 MHz (EU) 902~928 MHz (US)	866~868 MHz (EU) 902~928 MHz (US)	866~868 MHz (EU) 902~928 MHz (US)	866~868 MHz (EU) 902~928 MHz (US)	866~868 MHz (EU) 902~928 MHz (US)	866~868 MHz (EU) 902~928 MHz (US)
Read Range On-metal 2W ERP	up to 5m	up to 8m	up to 7.5m	up to 6m	up to 1.5m	up to 7m	up to 3m	up to 2m
Read Range Off-metal 2W ERP	up to 2m	up to 4m	up to 7.5m	up to 6m	up to 1.5m	N/A	N/A	N/A
IC	Alien Higgs 3	Alien Higgs 3	Alien Higgs 3	Alien Higgs 3	Alien Higgs 3	Alien Higgs 3	Alien Higgs 3	Alien Higgs 3
Operating Temperature	-30°C ~ 85°C	-30°C ~ 85°C	-30°C ~ 85°C	-30°C ~ 85°C	-30°C ~ 85°C	-30°C ~ 85°C	-30°C ~ 85°C	-30°C ~ 85°C
Storage Temperature	-30°C ~ 85°C	-30°C ~ 85°C	-30°C ~ 85°C	-30°C ~ 85°C	-30°C ~ 85°C	-30°C ~ 150°C	-30°C ~ 150°C	-30°C ~ 150°C
Protection Rating	IP54	IP54	IP54	IP54	IP54	IP68	IP68	IP68
Mounting Method	Industrial Strength Adhesive	Industrial Strength Adhesive / Cable Ties	Industrial Strength Adhesive	Industrial Strength Adhesive	Industrial Strength Adhesive	Industrial Strength Adhesive / Epoxy Resin	Industrial Strength Adhesive / Epoxy Resin	Industrial Strength Adhesive / Epoxy Resin

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	TOUGH SERIES		LAUNDRY SERIES			SEN SERIES		
	PROMASS	R-BOLT	LAUNDRY 3416	LAUNDRY 5510	LAUNDRY 4024	ATOM MAGNUS	PROTON MAGNUS	RS MAGNUS
Product Image								
Dimensions (mm)	35 x 35 x 5	DIN 933 M10 X 16	34 X 16 X 2.2	55 X 10 X 2.2	40 X 24 X 22.2	9 X 25 X 3.2	5 X 10 X 3.2	4 X 18 X 1.8
Operating Frequency	866~868 MHz (EU) 902~928 MHz (US)	866~868 MHz (EU) 902~928 MHz (US)	866~868 MHz (EU) 902~928 MHz (US)	866~868 MHz (EU) 902~928 MHz (US)	866~868 MHz (EU) 902~928 MHz (US)	866~868 MHz (EU) 902~928 MHz (US)	866~868 MHz (EU) 902~928 MHz (US)	866~868 MHz (EU) 902~928 MHz (US)
Read Range On-metal 2W ERP	up to 4m	up to 1.5m	N/A	N/A	N/A	up to 5m	up to 3m	up to 2m
Read Range Off-metal 2W ERP	up to 4m	N/A	up to 2m	up to 6m	up to 3m	N/A	N/A	N/A
IC	Alien Higgs 3	Alien Higgs 3	Alien Higgs 3	Alien Higgs 3	Alien Higgs 3	RF Micron Magnus S2	RF Micron Magnus S3	RF Micron Magnus S4
Operating Temperature	-30°C ~ 85°C	-30°C ~ 85°C	-30°C ~ 85°C	-30°C ~ 85°C	-30°C ~ 85°C	-30°C ~ 85°C	-30°C ~ 85°C	-30°C ~ 85°C
Storage Temperature	-30°C ~ 85°C	-30°C ~ 250°C	-30°C ~ 200°C	-30°C ~ 85°C	-30°C ~ 85°C	-30°C ~ 150°C	-30°C ~ 150°C	-30°C ~ 150°C
Protection Rating	IP68	IP68	IP68	IP68	IP68	IP68	IP68	IP68
Mounting Method	Epoxy Resin, Welding, Soldering, Rivet, Screw in	Screw in	Sewing, Heat sealing, Super adhesive	Sewing, Heat sealing, Super adhesive	Sewing, Heat sealing, Super adhesive	Industrial Strength Adhesive / Epoxy Resin	Industrial Strength Adhesive / Epoxy Resin	Industrial Strength Adhesive / Epoxy Resin

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