



**RUGGED
LONG RANGE
ON METAL
UHF RFID TAGs
20mm ... 90mm
865...928 MHz
ISO18000-6C**

Part-Number	Picture	UHF-IC type	Size (L x W x H) (mm)	Hole (Ø x No.)	Read Range (On Metal): Fixed Reader: 36 dBm/4W		Read Range (On Metal): Mobile Reader: 33 dBm/2W		Weight (g)	Option
					US (902-928MHz)	EU (865-868MHz)	US (902-928MHz)	EU (865-868MHz)		
aX-OMTD20		Alien Higgs-3	Ø 20 x 2	2 mm x 2	320cm	280cm	240cm	230cm	1 g	Adhesive
aX-OMT2208		Alien Higgs-3	22 x 8 x 3	2 mm x 2	470cm	450cm	300cm	260cm	1.3 g	Adhesive
aX-OMT2510		Alien Higgs-3	25 x 10 x 2	2 mm x 2	325cm	300cm	250cm	240cm	1.3 g	Adhesive
aX-OMT3005		Alien Higgs-3	30 x 5 x 2	2 mm x 2	310cm	250cm	210cm	200cm	0.8 g	Adhesive
aX-OMT3310		Alien Higgs-3	33 x 10 x 3.5	2 mm x 2	450cm	350cm	280cm	250cm	3 g	Adhesive
aX-OMT3613		Alien Higgs-3	36 x 13 x 3.5	2 mm x 2	470cm	450cm	270cm	250cm	3.5 g	Adhesive
aX-OMT4010		Alien Higgs-3	40 x 10 x 2	2 mm x 2	450cm	420cm	300cm	280cm	2 g	Adhesive
aX-OMT5010		Alien Higgs-3	50 x 10 x 1	2 mm x 2	280cm	250cm	190cm	170cm	1.5 g	Adhesive
aX-OMT5213		Alien Higgs-3	52 x 13 x 3.5	3 mm x 2	820cm	800cm	510cm	490cm	5.5 g	Adhesive
aX-OMT8008		Alien Higgs-3	80 x 8 x 3.5	3 mm x 2	650cm	590cm	340cm	310cm	5 g	Adhesive
aX-OMT9020		Alien Higgs-3	90 x 20 x 3	3 mm x 2	1080cm	1050cm	650cm	630cm	12 g	Adhesive



RoHS ✓

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Product:	RUGGED LONG RANGE Ultra High Frequency PCB (FR4) ON METAL RFID TAG 20 / 22 / 25 / 30 / 33 / 36 / 40 / 50 / 52 / 80 / 90 mm	
RFID Chip:	UHF: EPC CLASS 1 GEN 2 ISO18000-6C: ALIEN Higgs-3 User Memory 512bit EPC	
Read Range ON METAL:	Mobile Handheld Reader: 230 cm upto 6.5 m Fixed Mounted Reader: 280 cm upto 10.8 m	(Depends on RFID IC type and reader power)
Frequencies:	UHF - Europe: 865...868 MHz UHF - USA: 902...928 MHz	(At room temperature 20°C)
Dimensions / Weight:	20 mm to 90 mm (see details in the table on page 1)	0.8 to 12 g (depends on size)
Material / Colour:	PCB / FR4 Glass Epoxy Layer	Black (other colours on request)
Mounting:	ON METAL with 3M adhesive back, mounting holes	
Protection Class:	IP68	
Minimum Order Quantity:	1000 pieces	
Operating Temperature:	-40°C...+100°C	
Storage Temperatures:	-40°C...+150°C	
Certification / Other:	CE	RoHS ✓
Part Description:	see table on page 1	



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**Options:**

- Standard colour is BLACK: Other colour version is available on request (Blue, Green, Orange, Red, Yellow); (MOQ 3000 pieces)
- Different Frequency Versions (UHF) country/region versions on request
- Customised laser printing
- Customised logo printing
- Serial Number printing
- UID Number printing
- Adhesive back sticker foil

These Rugged Long Range RFID TAGs are used by system integrators or endusers to identify all kind of equipment in industrial harsh environment.

Applications:

- Asset Management
- Industrial ID
- Instrument Tracking
- Maintenance and Service
- Medical Device Management
- Small Asset Tracking
- Source Tagging
- Surgical Instrument Management
- Your application



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