



**SMALL RUGGED
ON METAL
UHF RFID TAGs
5 mm...18 mm
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-OMTD5		Alien Higgs-3	Ø 5 x 4	-	100cm	80cm	60cm	40cm	0.5g	
aX-OMT0603		Alien Higgs-3	6 x 3 x 4	-	90cm	80cm	50cm	45cm	0.5g	
aX-OMTD6		Alien Higgs-3	Ø 6 x 4	2 mm x 1	85cm	75cm	45cm	45cm	0.5g	
aX-OMT0803		Alien Higgs-3	8 x 3 x 3	2 mm x 1	95cm	90cm	50cm	45cm	0.5g	
aX-OMT1004		Alien Higgs-3	10 x 4 x 2	2 mm x 1	135cm	135cm	90cm	75cm	0.5g	Adhesive
aX-OMTD10		Alien Higgs-3	Ø 10 x 3	2 mm x 1	150cm	130cm	100cm	95cm	0.5g	Adhesive
aX-OMT1307		Alien Higgs-3	13 x 7 x 3	2 mm x 2	250cm	240cm	150cm	140cm	0.7g	Adhesive
aX-OMTD13		Alien Higgs-3	Ø 13 x 2	2 mm x 2	150cm	130cm	110cm	90cm	0.7g	Adhesive
aX-OMTD16		Alien Higgs-3	Ø 16 x 3	2 mm x 2	260cm	240cm	160cm	150cm	1.3g	Adhesive
aX-OMT1504		Alien Higgs-3	15 x 4 x 2	2 mm x 2	210cm	220cm	130cm	150cm	0.7g	Adhesive
aX-OMT1808		Alien Higgs-3	18 x 8 x 2	2 mm x 1	145cm	145cm	100cm	90cm	1.2g	Adhesive



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Rev. 01



Product:	Rugged Ultrahigh Frequency PCB (FR4) RFID TAG 5 / 6 / 8 / 10 / 13 / 15 / 16 / 18 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: 40 cm upto 1.5 m Fixed Mounted Reader: 75 cm upto 2.4 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:	5 mm to 18 mm (see table on page 1)	0.5 to 1.3 g (depends on size)
Material / Colour:	PCB / FR4 Glas Epoxy Layer	Black (other colours on request)
Mounting:	ON METAL with optional 3M adhesive back or 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 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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**EXAMPLE:****IN METAL EMBEDDED UHF TAG****13x2 mm aX-OMTD13 :****SMALL RUGGED****ON METAL****UHF RFID TAGs****5 mm...18 mm****865...928 MHz****ISO18000-6C**

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