



**RFO-TS1515**  
 (Ultra flat UHF antenna)  
 Circular polarized

Product Description	RFO-TS1515
<b>SLIMLINE MULTI-PURPOSE ANTENNAS</b> This UHF RFID antenna has very compact dimensions of 150 mm / 5.9 inch square, the RFO-TS1515 is more than just a commodity antenna. IP68 rated for permanent outdoor use with a 1.5 ft. wider reading range than other antennas of similar size, this antenna is unique in the UHF RFID market and creates a new benchmark. Its aesthetically appealing design makes the RFO-TS1515 very convenient for customer-facing environments.	
<b>Characteristics</b>	
Operating Frequency	865-868 MHz / 902-928 MHz
Far-field 3dB beamwidth	115° in both planes
Far-field Gain	5.5 dBiC typical
Polarization	RHCP (Right Hand Circular Polarized)
Nominal Impedance	50 Ω
Maximum Input Power	3 W
VSWR	1.4 typical
Front to back	-10 dB
Axial Ratio	2 dB typical
Anti-static protection	Yes, DC Grounded
Antenna Detection	10K Ω resistance
Standard	ETSI & FCC
Length	150.7 mm (5.93")
With	149.4 mm (5.88")
Thickness	14.5 mm (0.57")
Weight	Net: 0.25 kg / 0.55 lbs
Fixation	Flush (30mm 8g Phillips) or VESA mount
Operating / Storage Temperature	-40° to +65°C (-40° to +149°F)
Radome Material	UV-Resistant ABS
Environmental Rating	IP68



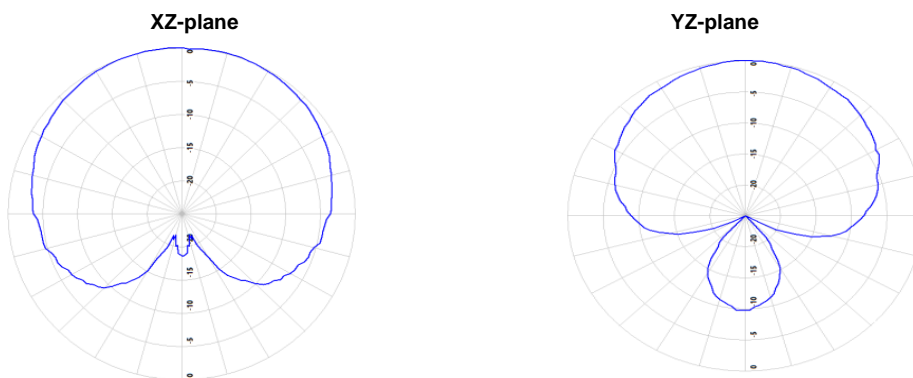
**Contact:**

infos@radioforce.net  
 www.radioforce.net



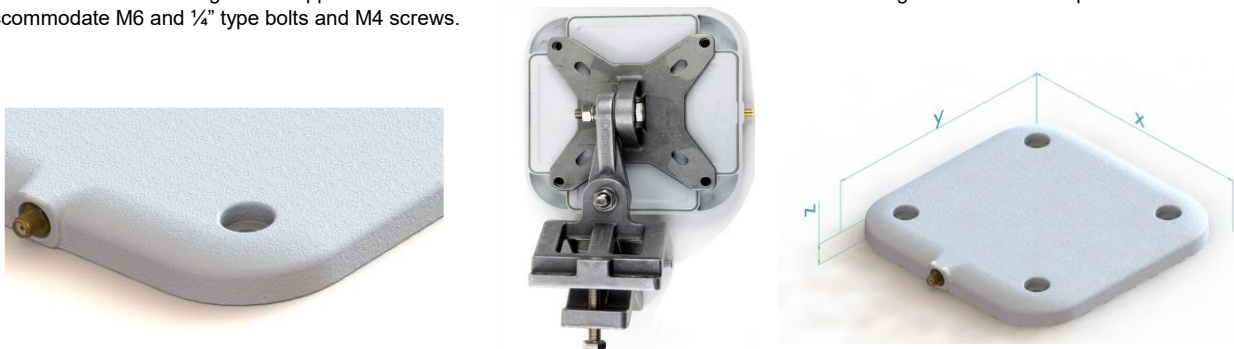
Environmental Test	Standard	Duration	Temp. C°	Notes
IPX Dust	AS60529 - 2004	8Hrs		Severity: Vacuum, up to -2KPa
IPX8 Immersion	AS60529 - 2004	30 min		Severity: 1.5 Depth
Basic vibration	IEC60068 - 2 - 64	1 Hrs per axis - 3 axis		Severity: Vehicle vibration 10-500 MHz 1.04g
Shock Test	MIL-STD-810G	5 pulses/direction - 6 direction		Severity: Half sine 10g, 11ms
Thermal Shock	IEC60068 - 2 - 14	5 Cycles - 2 Hrs precondition	-65° to +65°	
Salt Fog	ASTMB117	24 Hrs	+35°	

### E field Radiation Pattern



### Mounting Information / Antenna Planes

The RFO-TS1515 is designed to support either flush or VESA mount in one SKU. The flush mounting holes are VESA spaced and can accommodate M6 and 1/4" type bolts and M4 screws.



Article no:	<b>RFO-TS1515</b>
-------------	-------------------

### Typical Applications

POS	Library
Industry and laboratory	Automotive
bio/chemistry/forensic/pharmacy/environment	Process control, QS & monitoring
Health care	Pharma industry

### Contact:

infos@radioforce.net  
www.radioforce.net