

SAF-6550RS3X
SPECIFICATION
OMNIDIRECTIONAL ANTENNA

PART NUMBER	SAF-6550RS3X
REGULATORY COMPLIANCE	ETSI EN 302 085 V1.2.2 (2003-08) RoHS , CE 0682
<u>1. ELECTRICAL</u>	
FREQUENCY RANGE	3.4 – 3.7 GHz
PEAK GAIN & AZIMUTH RIPPLE	5.0 dBi
VSWR	1.7:1 (max) @ 3.4-3.6GHz 1.8:1 (max) @ 3.6-3.7GHz
AZIMUTH BEAMWIDTH	360°
GAIN & AZIMUTH RIPPLE @ HORIZON	4.0 dBi ± 1 dB @ 3.4GHz 5.5 dBi ± 1 dB @ 3.5GHz 5.0 dBi ± 1 dB @ 3.6GHz
ELECTRICAL TILT	-3° (typ) @ 3.4 GHz 0° (typ) @ 3.5 GHz +3° (typ) @ 3.6 GHz 3.5° (typ) @ 3.7 GHz
POLARIZATION	Linear Vertical
E - PLANE BEAMWIDTH	11° (typ)
CROSS POLARIZATION DISCRIMINATION	-20 dB (max)
INPUT IMPEDANCE	50 (ohms)
POWER	6 W (max)
LIGHTNING PROTECTION	DC Grounded
<u>2. MECHANICAL</u>	
DIMENSIONS : DIAMETER HEIGHT	28 mm (max) 465 mm (max)
WEIGHT	0.5 kg (max)
CONNECTOR	N- type male
RADOME	Plastic, UV Resistant
BASE PLATE	Aluminum with chemical conversion coating
<u>3. MOUNTING KIT</u>	

CONFIGURATION	Mounted to radio's N-female output
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4. ENVIRONMENTAL				
TEST	STANDARD	DURATION	TEMPERTURE	NOTES
LOW TEMPERATURE	IEC 68-2-1	72 h	-55°C	-
HIGH TEMPERATURE	IEC 68-2-2	72 h	+71°C	-
TEMP. CYCLING	IEC 68-2-14	1 h	-45°C +70°C	3 Cycle s
VIBRATION	IEC 60721-3-4	30 min/axis	-	Random 4M5
SHOCK MECHANICAL	IEC 60721-3-4	-	-	4M5
HUMIDITY	ETSI EN300-2-4 T4.1E	144 h	-	95%
WATER TIGHTNESS	IEC 529	-	-	IP67
SOLAR RADIATION	ASTM G53	1000 h	-	-
SALT SPRAY	IEC 68-2-11 Ka	500 h	-	-
ICE AND SNOW	-	-	-	25mm Radial
WIND SPEED SURVIVAL OPERATION	-	-	-	220 Km/h 160 Km/h