

LINEAR ANTENNAS

MT-243012/NV/K
865 - 870 MHz, 10.5 DBI LINEAR VERTICAL POLARITY
READER ANTENNA



ELECTRICAL

REGULATORY COMPLIANCE	RoHS, CE 0682
FREQUENCY RANGE	865-870 MHz
GAIN	10.5dBi (min) 11.5dB (max)
VSWR	1.3:1 (max)
POLARIZATION	Linear Vertical
3dB ELEVATION BEAMWIDTH	76°(typ)
3dB AZIMUTH BEAMWIDTH	43°(typ)
F/B RATIO	-22 dB (typ)
CROSS POLARIZATION ELEVATION	-26dB (max)
CROSS POLARIZATION AZIMUTH	-15dB (max)
POWER	6W (max)
INPUT IMPEDANCE	50 (ohm)
LIGHTNING PROTECTION	DC Grounded
MECHANICAL	
DIMENSIONS (LxWxD)	370 x 370 x 40mm (max)
CONNECTOR	N-Type Female
WEIGHT	2 Kg (max)
MOUNTING KIT	MT-120018
RADOME MATERIAL	Plastic
BASE PLATE MATERIAL	Aluminum with chemical conversion coating
OUTLINE DRAWING	RD43197300C

[ADD TO COMPARE PAGE](#)

[TO COMPARE PAGE](#)

ENVIRONMENTAL

TEST	STANDARD	DURATION	TEMPERTURE	N
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
THERMAL SHOCK NONO-OPERATING			-30°C to+70°C	R 30
HUMIDITY	ETSI EN300-2-4 T4.1E	144 h		90
WATER TIGHTNESS	IEC 529			IP 65
DUST RESISTANCE				IP 6K
SOLAR RADIATION	ASTM G53	1000h		
OZONE RESISTANCE	ETSI 300			
FLAMMABILITY	UL 94			C
QUASI RANDOM VIBRATION				20/4
VEHICLE VIBRATION OPERATING	1 grms, 10-500 Hz, in 3 axis			6 to 60 Hz
MECHANICAL SHOCK OPERATING	10g,11msec, half sine pulse			5000



*For outdoor installations that require mounting the antenna horizontally facing ground, please contact MTI representative for the dedicated P/N

**AZIMUTH RADIATION PATTERN MIDBAND
FREQ. 0.867 GHZ**

**ELEVATION RADIATION PATTERN MIDBAND
FREQ. 0.867 GHZ**

