

**MT-264003/NV**

**902-928 MHz 13.5dBi 90° Vertical**

**Null Filled Base Station Antenna**



**Specifications**

MTI PART NUMBER		MT - 264003/NV		
<b>ELECTRICAL</b>				
FREQUENCY RANGE	902-928 MHz			
GAIN	13.5 dBi (min)			
VSWR	1.5 : 1 (max)			
AZIMUTH BEAMWIDTH	90° (typ)			
ELEVATION BEAMWIDTH	14° (typ)			
POLARIZATION	Linear Vertical			
CROSS POLARIZATION	-20 dB (max)			
SIDELOBES LEVEL	-19 dB (max)			
ELECTRICAL DOWNTILT	1.5° (typ)			
F/B RATIO	-23 dB (max)			
1 <sup>ST</sup> NULL	> -20 dB (typ)			
INPUT IMPEDANCE	50 (ohm)			
INPUT POWER	20 W (max)			
LIGHTNING PROTECTION	DC Grounded			
<b>MECHANICAL</b>				
DIMENSIONS (LxWxD)	1260x400x115mm (max)			
WEIGHT	6.7 kg (max)			
CONNECTOR	N - TYPE Female			
RADOME	Plastic			
BASE PLATE	Aluminum with chemical conversion coating			
OUTLINE DRAWING	See page 2			
MOUNTING KIT	MT-120021			
<b>ENVIRONMENTAL</b>				
<b>TEST</b>	<b>STANDARD</b>	<b>DURATION</b>	<b>TEMPERATURE</b>	<b>NOTES</b>
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 Cycles
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	-	-	IP54
SOLAR RADIATION	ASTM G53	1000 h	-	-
FLAMMABILITY	UL 94	-	-	Class HB
SALT SPRAY	IEC 68-2-11 Ka	500 h	-	-
ICE AND SNOW	-	-	-	25mm Radial
WIND SPEED SURVIVAL	-	-	-	220 Km/h
OPERATION	-	-	-	160 Km/h
WIND LOAD SURVIVAL:	FRONT THRUST	-	-	141 kg
	SIDE THRUST	-	-	10.5 kg

