



TRN-8-27

- Heavy Duty Application
- Multiple Frequencies
- Tested To High Industry Standards



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Kit consists of:

Heavy Duty Multi-Frequency Antenna

Part No

TRN-8-27

TRNG-8-27

Conforms to:

European Traction Industry Standards

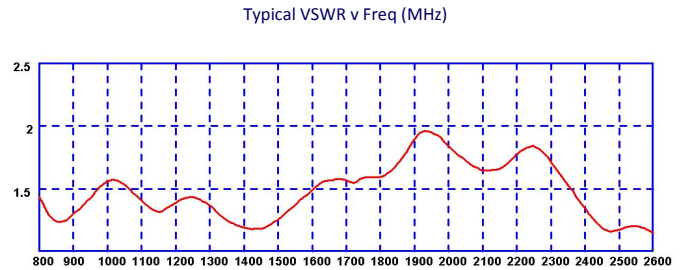
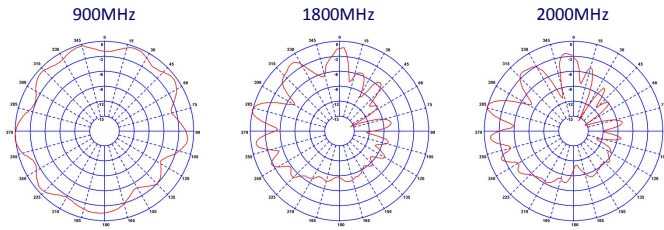
NF-F-16-101/102 (materials standard)

EN50155 (vibration standard)

EN50124-1 (electrical isolation standard)

Deutsch Bahn high voltage/current standards

Performance



Part No.	TRN-8-27	TRNG-8-27	
Electrical Data			
Frequency Range (MHz)	824-960, 1710-2170, 2400-2700	824-960, 1710-2170, 2400-2700	
Gain: Isotropic	5dBi	5dBi	
Compared to ¼ wave	3dB	3dB	
VSWR	2:1	2:1	
Vertical Beamwidth	38° / 180°	38° / 180°	
Polarisation	Vertical	Vertical	
Pattern	Omni-Directional	Omni-Directional	
Impedance	50Ω	50Ω	
Max Input Power (W)	25	25	
GPS Data			
Frequency Range (MHz)	-	1575	
Impedance	-	50Ω	
LNA Gain	-	26dB ± 3	
Polarisation	-	Right Hand Circular	
Operating Voltage	-	+2.5V DC to +12V DC	
Current (Typical)	-	11mA to 13mA (max)	
Mechanical Data			
Dimensions (mm)	Height	90	90
	Width	100	100
	Length	200	200
Operating Temp (°C)	-40°C / +80°C	-40°C / +80°C	
Material	UV Stabilised Plastic Moulding	UV Stabilised Plastic Moulding	
Mounting Data			
Fixing	4 × M6 screws	4 × M6 screws	
Termination Data			
Antenna Termination	N (female)	N (female)	
GPS Termination	-	TNC (female)	