



GSM 900 Tower Mount Amplifier

► Features

- Compact size, Simple installation
- By-pass mode to ensure cell operation in case of DC power down
- Built-in lightning protection
- ROHS compliant
- Custom design available



► Technical Specifications

P/N	MWD-TMA-1-095
TX Characteristics	
Frequency Range	925-960MHz
Insertion loss	≤0.7dB
Insertion loss ripple	≤0.5dB
Input power	≤200W
Intermodulation products in Rx band	-153dBc@+43dBm×2(IM3)
Rx band rejection	≥40dB
Return loss	≤18dB
Rx Characteristics	
Frequency Range	880-915MHz
Loss in bypass mode	3dB (typical)
Return loss	≤18dB(DC ON) ≤15dB(DC OFF)
Gain	12±1dB
Noise figure	≤1.6dB
Tx band rejection	≥80dB
3rd order intercept point (OIP3)	≥ 22 dBm

Environmental Characteristics	
Operating temperature range	-40 - +75°C
IP rating	IP 68
MTBF	≥ 1,000,000 hours(per TMA)
Lightning protection	3 kA 10/350 us; 20 kA (Shield)
DC Voltage Power Supply (V)	7-18V
AISG Protocol	AISG 1.1
Mechanical Characteristics	
Material	Aluminum housing
RF Connectors	DIN 7/16 female
Mounting Kit	Mounting kit for pole and wall is included
Dimensions(without connectors or mounting brackets)	260 x 170 x 72 mm



