



## PCS Dual 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-1-085
<b>TX Characteristics</b>	
Frequency Range	1930-1990MHz
Insertion loss	≤0.8dB
Input power	≤ 160W (+52 dBm) CW ≤ 1.6kW(+62 dBm) Peak
Intermodulation products in Rx band	-153dBc@+43dBm×2(IM3)
Return loss	≤18dB
<b>Rx Characteristics</b>	
Frequency Range	1850-1910MHz
Loss in bypass mode	2.8 dB (typical)
Return loss	≤18dB(DC ON) ≤15dB(DC OFF)
Gain	12±1.3 dB(-40-75°C) 12±0.7 dB(15-30°C)
Noise figure	≤ 2.5 dB(-40-75°C) ≤ 2.0 dB(15-30°C)
Output 1-dB compression point	≥ 15 dBm
3rd order intercept point (OIP3)	≥ 25 dBm
<b>Environmental Characteristics</b>	

Operating temperature range	-40 - +75°C
IP rating	IP 65
MTBF	≥ 1,000,000 hours(per TMA)
Lightning protection	3 kA 10/350 us; 20 kA (Shield )
DC Voltage Power Supply (V)	10-15V
AISG Protocol	AISG 1.1/2.0
<b>Mechanical Characteristics</b>	
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)	278 x 166 x 80 mm



