

PART NO. : WV-GSM1800-TMA-T-01

◆ APPLICATION

> For GSM1800 Band Base-station System

◆ FEATURE

> High Reliability

> **RoHS Compliance**

◆ ELECTRICAL SPECIFICATION

ITEM	SPECIFICATION
Downlink	
Frequency Range	1805MHz ~ 1880MHz
Return Loss, All Ports	18dB Min
Insertion Loss	0.5dB Typical
Flatness	0.3dB Max
Maximum Power Handling, avg	250Watts Max
IMD at Uplink Band	-110dBm , 2-Tone 43dBm carriers
Uplink	
Frequency Range	1710MHz ~ 1785MHz
RF Gain	12.0dB±1.0dB
Gain drift over temperature	1.5dB Max
Gain Ripple	±1.0dB
OIP3	+28dBm Min
Return Loss, All Ports	18dB Min
Return Loss on bypass mode	12dB Min
Insertion Loss on bypass mode	2.0dB Typical
Noise Figure	1.6dB typical
Input compression point	+15dBm Min
DC Supply Voltage	+12V DC
DC Current Consumption	120mA Max(LNA on)
DC Injection	Via to BASE Connector
Input/Output Impedance	50 Ohm nominal
MTBF	>900,000 hours

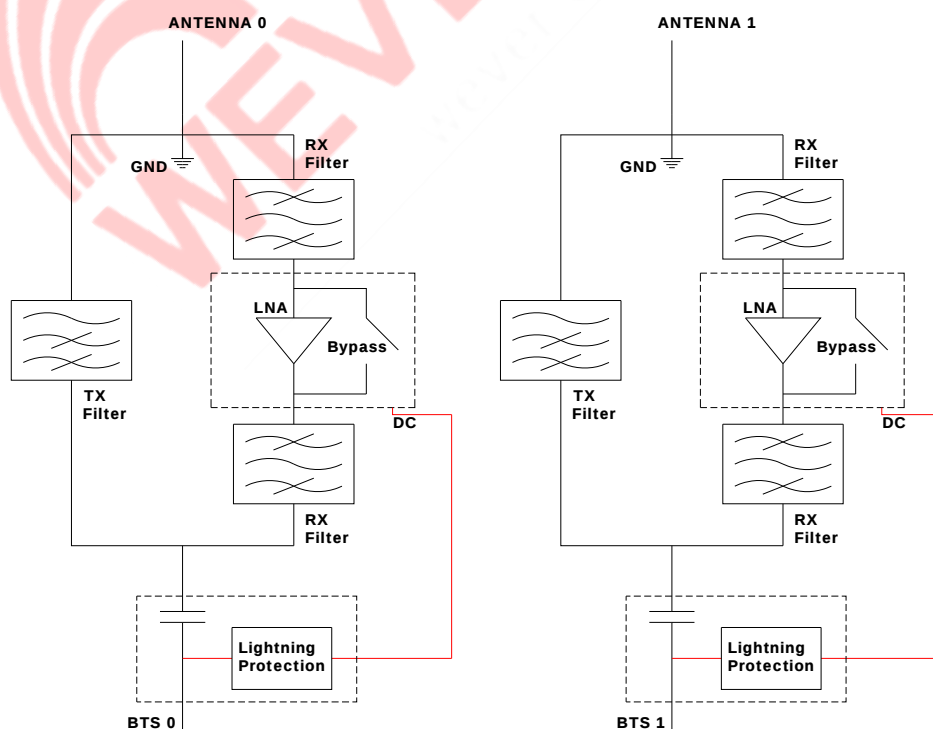
◆ ENVIRONMENTAL SPECIFICATIONS

ITEM	SPECIFICATION
Operating Temperature Range	-40°C to +65°C
Weather Protection	IP-67
Lightning Protection	BTS Port : ±10kA, 8/20 us pulse Antenna Port : 1/4 wavelength grounded(DC GND)

◆ MECHANICAL SPECIFICATIONS

ITEM	SPECIFICATION
Dimension	244.0 x 183.0 x 92.0(Unit:mm)
Mounting Points	Pole and Wall
RF Connector	All BTS & Antenna Ports : DIN Female Connector Long Neck Test Port : SMA Female Connector
Connector Position	See Outline Drawing
Finish	Gray color coating
Weight	Around 5.0 Kg
Grounding cable	Included, 1mt of tin plated copper AWG7 with terminals in both ends
Mounting Clamp	Diameter 6 inch – 2EA

◆ BLOCK DIAGRAM



◆ OUTLINE DRAWING

