

PART NO. : WV-2.5GTMA-S-01

◆ APPLICATION

> For 2.5GHz Band System

◆ FEATURE

> High Reliability
> **RoHS Compliance**

◆ ELECTRICAL SPECIFICATION

ITEM	SPECIFICATION
Downlink	
Frequency Range	2620MHz ~ 2686MHz
Return Loss, All Ports	18dB Min
Insertion Loss	0.5dB Typical, 0.7dB Max
Rx Band Rejection	50dB Min
Maximum Power Handling, avg	200Watts Max
Maximum Power Handling, Peak	2KWatts Max
IMD at Uplink Band	-115dBm , 2-Tone 43dBm carriers
Uplink	
Frequency Range	2500MHz ~ 2566MHz
RF Gain, nominal	13.0dB
Gain Variation in temperature range	±1.5dB
Gain Ripple	±0.5dB
Rejection to ESMR Tx Band	85dBc Min
Insertion Loss(Bypass mode)	3.0dB max
Return Loss, All Ports	18dB Min
Bypass Mode	Yes
Noise Figure	1.7dB Max(room Temp) 2.2dB Max over temp range
Output 1dB compression	+18dBm Min
Input IP3	+12dBm Min
Maximum Input Power, Non-Destructive	0dBm Max
DC Supply Voltage	11V to 18V DC
DC Current Consumption	200mA Max(LNA on)
DC Injection	Via to BASE Connector
Input/Output Impedance	50 Ohm nominal
MTBF	>1 million hours

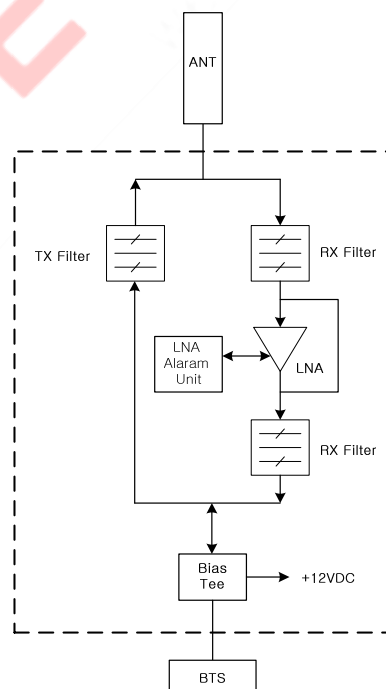
◆ ENVIRONMENTAL SPECIFICATIONS

ITEM	SPECIFICATION
Operating Temperature Range	-40°C to +70°C
Weather Protection	IP-68
Lightning Protection	BTS Port : 8/20uS 10kA Antenna Port : 1/4 wavelength grounded(DC GND)
Operational	ETS 300 019-1-4
Transportation	ETS 300 019-1-2
Storage	ETS 300 019-1-11

◆ MECHANICAL SPECIFICATIONS

ITEM	SPECIFICATION
Dimension	236.0 x 125.0 x 61.0 (Unit:mm)
Mounting Points	See Outline Drawing
RF Connector	All RF Ports : DIN Female Connector Long Neck
Connector Position	See Outline Drawing
Finish	Gray color coating
Mounting Brackets	Included, for pole and wall mounting
Grounding cable	Included, 1mt of tin plated copper AWG7 with terminals in both ends

◆ BLOCK DIAGRAM



◆ OUTLINE DRAWING

