

PART NO. : WV-UMTS-TTMA-02

◆ APPLICATION

> For UMTS Band Base-station

◆ FEATURE

> High Reliability
> **RoHS Compliance**

◆ ELECTRICAL SPECIFICATION

ITEM	Specification
UMTS-Uplink	
Frequency Range	1920MHz ~ 1980MHz
Return Loss	18dB Min 14dB Min (Bypass mode)
Nominal Gain	12dB to 14dB ±1.0dB
Passband Ripple	0.6dB Typical, 1.0dB Max
Noise Figure	1.5dB Typical
Tx-Band Rejection, relative to gain level	80dB Min
Output 3 rd order intercept point(IP3)	+25dBm Typical, +22dBm Min
Insertion Loss bypass mode	1.8dB Typical
Supply voltage, fed via the RF Cable	12V DC nominal @120mA(8-31V DC)
Total Group Delay	150nS Max
UMTS-Downlink	
Frequency Range	2110MHz ~ 2170MHz
Insertion Loss	0.5dB Typical
Return Loss	18.0dB Min
Rx-Rejection	60dB Min
Average Operating Power	+53dBm(200W) Max
Power Handling Survival	+57dBm(500W) Max
3 rd Order PIM in TX Band @ BTS Port	-120dBm @ 43dBm 2 Tone
Input/Output Impedance	50 Ohm nominal

◆ MISCELLANEOUS

ITEM	SPECIFICATION
MTBF	>500,000 h
Alarm Function	Two levels automatic by-pass (Additional Features accepted)
EMC and safety approvals	FCC part 15, 24. ETL recognized
Antenna support	Remote tilt adjust
Power Consumption	<2W

◆ ENVIRONMENTAL SPECIFICATIONS

ITEM	SPECIFICATION
Operating Temperature Range	-40°C to +65°C
Humidity	100 %
Weather protection	DIN 400 50:IP 67. ETS 300 019-1-4
Lightning Protection	IEC 1312-1, 10/350us pulse, 50kA

◆ MECHANICAL SPECIFICATIONS

ITEM	SPECIFICATION
Dimension	148.0 x 172.0 x 62.0(Unit:mm)
Weight	Approximate 3Kg
RF Connector	Antenna Ports : DIN Female Connector BTS Ports : DIN Female Connector
Mounting kit	Band Clamps (Pole Dia-40 to 160mm)
Color	Light Grey
Enclosure	Weather Proof

◆ OUTLINE DRAWING

