

PART NO. : WV-EGSM900-T-01

◆ APPLICATION

> For EGSM900 Full Band System

◆ FEATURE

> High Reliability

> **RoHS Compliance**

◆ ELECTRICAL SPECIFICATION

ITEM	SPECIFICATION
Downlink	
Frequency Range	925MHz ~ 960MHz
Return Loss, All Ports	18dB Min
Insertion Loss	0.8dB Max
Maximum BTS Port Power, RMS	+ 52dBm Max
Intermodulation	-115dBm , 2-Tone 43dBm carriers,
Uplink	
Frequency Range	880MHz ~ 915MHz
Gain	32dB
Gain Variation at room temperature	±0.8dB max
Gain Variation over temperature range	±1.0dB max
Insertion Loss(Bypass mode)	2.0dB Typical, 2.5dB max
Return Loss, All Ports	18dB Min
Bypass Mode	Yes
Noise Figure	1.9 dB Max at room temperature 2.2dB Max over temp range
OIP3	25dBm Min
Maximum ANT Port Power	+ 5dBm @ Uplink Band +16dBm min @ interferers in GSM1800 +16dBm min @ interferers in WCDMA2100
DC Supply Voltage	8V to 18V DC
Current Consumption	300mA Max(LNA on)
DC Injection	Via to BASE Connector
Input/Output Impedance	50 Ohm nominal
MTBF	>1 million hours

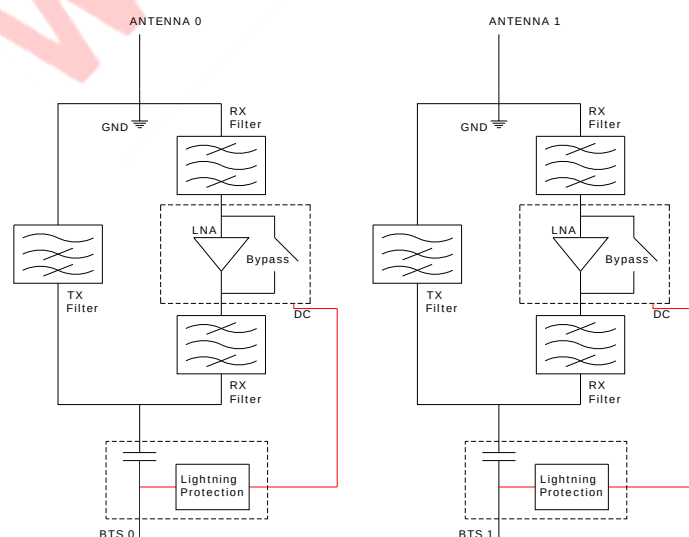
◆ ENVIRONMENTAL SPECIFICATIONS

ITEM	SPECIFICATION
Operating Temperature Range	-30°C to +60°C
Weather Protection	IP-68
Lightning Protection	IEC801-5 and IEC61312
Operational	ETS 300 019-1-4
Transportation	ETS 300 019-1-2
Storage	ETS 300 019-1-11

◆ MECHANICAL SPECIFICATIONS

ITEM	SPECIFICATION
Dimension	249.0 x 212.0 x 62.0 (Unit:mm)
Mounting Points	See Outline Drawing
RF Connector	All RF Ports : 7/16 DIN Female Connector Long Neck
Connector Position	See Outline Drawing
Finish	Gray color coating
Mounting Brackets	Included, for pole and wall mounting
Ground Stud	M8
Clamp	6inch – 2EA
Weight	Approx. 8.2Kg
Grounding cable	Included, 1mt of tin plated copper AWG7 with terminals in both ends

◆ BLOCK DIAGRAM



◆ OUTLINE DRAWING

