

PART NO. : WV-UPCS-TMA-T-02**◆ APPLICATION**

> For US-PCS Full Band System

◆ FEATURE

> High Reliability
 > **RoHS Compliance**

◆ ELECTRICAL SPECIFICATION

ITEM	SPECIFICATION
Downlink	
Frequency Range	1930MHz ~ 1990MHz
Return Loss, All Ports	18dB Min
Insertion Loss	0.6dB Typical, 0.8dB Max
Maximum Input Power, RMS	500Watts Max
Maximum Input Power, Peak	800Watts Max
Intermodulation	-120dBm , 2-Tone 43dBm carriers, in the Downlink band
Uplink	
Frequency Range	1850MHz ~ 1910MHz
Gain	12.0dB
Gain Variation over temperature range	±1.0dB max
Gain Ripple	±0.5dB max
Insertion Loss(Bypass mode)	2.0dB Typical, 2.5dB max
Return Loss, All Ports	18dB Min
Bypass Mode	Yes
Noise Figure	1.8dB Typical, 2.2dB Max 2.4dB Max over temp range
OIP3	27dBm Min
DC Supply Voltage	8V to 18V DC
Current Consumption	350mA Max(LNA on); <30mA (bypass mode)
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	IEC1312-1, 10/350us pulse, 50KA
Operational	ETS 300 019-1-4
Transportation	ETS 300 019-1-2
Storage	ETS 300 019-1-11

◆ MECHANICAL SPECIFICATIONS

ITEM	SPECIFICATION
Dimension	185.0 x 109.0 x 117.4 (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

◆ OUTLINE DRAWING

