

# W37T-GD-VODACOM

ITEMS		Uplink	Downlink
Frequency Range	GSM	890.1 ~ 901.1 MHz	935.1 ~ 946.1 MHz
	DCS	1760.3 ~ 1772.3 MHz	1855.3 ~ 1867.3 MHz
Gain	GSM	85±2 dB	90±2 dB
	DCS	85±2 dB	90±2 dB
Output Power	GSM	27±2 dBm	37±2 dBm
	DCS	27±2 dBm	37±2 dBm
Bandwidth	GSM	11 MHz	11 MHz
	DCS	12 MHz	12 MHz
ATT (GSM) step of 1dB	1 ~ 10dB	Δ   ≤1 dB	Δ   ≤1 dB
	10 ~ 20dB	Δ   ≤1 dB	Δ   ≤1 dB
	20 ~ 30dB	Δ   ≤1.5 dB	Δ   ≤1.5 dB
ATT (DCS) step of 1dB	1 ~ 10dB	Δ   ≤1 dB	Δ   ≤1 dB
	10 ~ 20dB	Δ   ≤1 dB	Δ   ≤1 dB
	20 ~ 30dB	Δ   ≤1.5 dB	Δ   ≤1.5 dB
ALC Active 20dB		Δ   ≤2 dB	Δ   ≤2 dB
Ripple	GSM	≤ 4 dB	≤ 4 dB
	DCS	≤ 4 dB	≤ 4 dB
Out of Band Gain(GSM)	± 600 KHz	≤ 60 dB	≤ 60 dB
	± 1 MHz	≤ 50 dB	≤ 50 dB
	± 5 MHz	≤ 40 dB	≤ 40 dB
Out of Band Gain(DCS)	± 600 KHz	≤ 60 dB	≤ 60 dB
	± 1 MHz	≤ 50 dB	≤ 50 dB
	± 5 MHz	≤ 40 dB	≤ 40 dB
Max. Input Power Without Damage		-10 dBm	
Intermodulation Products	GSM	≤ -45 dBc	≤ -45 dBc
	DCS	≤ -45 dBc	≤ -45 dBc
Spurious Emission	9KHz~1GHz	≤ -36 dBm	≤ -36 dBm
	1GHz~12.75GHz	≤ -30 dBm	≤ -30 dBm
Noise Figure @ max. gain	GSM	≤8 dB	≤8 dB
	DCS	≤8 dB	≤8 dB
VSWR	GSM	≤1.8	≤1.8
	DCS	≤1.8	≤1.8
Time Delay	GSM	≤5 μs	≤5 μs
	DCS	≤5 μs	≤5 μs
Power LED	Power ON	Green	
	Power OFF	No Light	
Alarm LED	Normal	Green	
	Alarm	Red	

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Monitoring and control	Local	RS232
	Remote	GSM Modem
Local Control Or Remote Control		1.Repeater Info
		2.UL & DL Gain
		3.PA ON/OFF
		4. Over Output Power Alarm Level Limit
		5. Temperature Alarm Level Limit
Local Monitoring Or Remote Monitoring		1. Over Output Alarm
		2. Over Temp Alarm
		3. PA Failure Alarm
		4.Power Supply Alarm
RF Connector		N-Female
Power Supply		AC:220V,50Hz
Power Comsumption		< 170W
Cooling		Heatsink Convection cooling
Environment Conditions		IP65
Humidity		< 90%
Operating Temperature		-10°C~+55°C