

# W37T-DW-VODACOM

Items		Uplink	Downlink
Frequency Range	DCS	1760.3 ~ 1772.3 MHz	1855.3 ~ 1867.3 MHz
	WCDMA	1920 ~ 1935 MHz	2110 ~ 2125 MHz
Bandwidth	DCS	12 MHz	12 MHz
	WCDMA	15 MHz	15 MHz
Output Power	DCS	27±2 dBm	37±2 dBm
	WCDMA	27±2 dBm	37±2 dBm
Gain	DCS	85±2 dB	90±2 dB
	WCDMA	85±2 dB	90±2 dB
Ripple	DCS	≤4 dB	≤4 dB
	WCDMA	≤2dB/3.84MHz	≤2dB/3.84MHz
VSWR	DCS	≤1.8	≤1.8
	WCDMA	≤1.8	≤1.8
ALC Active 10dB	DCS	Δ   ≤2 dB	Δ   ≤2 dB
	WCDMA	Δ   ≤2 dB	Δ   ≤2 dB
Max. Input Power Without Damage		-10 dBm	-10 dBm
Intermodulation Products	DCS	≤ -45 dBc	≤ -45 dBc
	WCDMA	≤ -45 dBc	≤ -45 dBc
Spurious Emission	9KHz~1GHz	≤ -36 dBm	≤ -36 dBm
	1GHz~12.75GHz	≤ -30 dBm	≤ -30 dBm
ATT step of 1dB(DCS)	1 ~ 10dB	Δ   ≤1 dB	Δ   ≤1 dB
	10 ~ 20dB	Δ   ≤1 dB	Δ   ≤1 dB
	20 ~ 25dB	Δ   ≤1.5 dB	Δ   ≤1.5 dB
ATT step of 1dB(WCDMA)	1 ~ 10dB	Δ   ≤1 dB	Δ   ≤1 dB
	10 ~ 20dB	Δ   ≤1 dB	Δ   ≤1 dB
	20 ~ 25dB	Δ   ≤1.5 dB	Δ   ≤1.5 dB
Out of Band Gain(DCS)	± 600 KHz	≤ 60 dB	≤ 60 dB
	± 1 MHz	≤ 50 dB	≤ 50 dB
	± 5 MHz	≤ 40 dB	≤ 40 dB
Out of Band Gain (WCDMA)	2.5≤f<3.5MHz	≤ 60 dB	≤ 60 dB
	3.5≤f<7.5MHz	≤ 45 dB	≤ 45 dB
	7.5≤f<12.5MHz	≤ 45 dB	≤ 45 dB
	12.5 MHz≤f	≤ 40 dB	≤ 40 dB
Noise Figure @ max. gain	DCS	≤8 dB	≤8 dB
	WCDMA	≤8 dB	≤8 dB
Time Delay	DCS	≤5 μs	≤5 μs
	WCDMA	≤5 μs	≤5 μs
EVM	WCDMA	≤ 12.5%	≤ 12.5%

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PCDE	WCDMA	$\leq -35\text{dB}$	$\leq -35\text{ dB}$
ACRR(WCDMA)	5 MHz	$\geq 33\text{ dB}$	$\geq 33\text{ dB}$
	10 MHz	$\geq 33\text{ dB}$	$\geq 33\text{ dB}$
Power Indication	Power ON	Green	
	Power OFF	No Light	
Alarm Indication	Normal	Green	
	Alarm	Red	
Monitoring and control	Local	RS232	
	Remote	GSM Modem	
Local Control		1.Repeater Info	
		2.UL&DL Gain	
		3.Over Output Power Alarm Level Limit	
		4.Temperature Alarm Level Limit	
Local Monitoring		1.Output Power	
		2.Temperature	
		3.Alarms(Over Output Alarm, Over Temperature Alarm, PLL Unlock)	
Power Supply		AC 220V	
Power Consumption		$\leq 180\text{W}$	
RF Connector		N-Female	
Environment Conditions		IP65	
Humidity		$< 90\%$	
Operating Temperature		$-10^{\circ}\text{C}\sim+55^{\circ}\text{C}$	