

# W33-WCDMA-MTN

Items		Uplink	Downlink
Frequency Range		1949.9 ~ 1959.9 MHz	2139.9 ~ 2149.9 MHz
Bandwidth		10MHz	10MHz
Gain		80±2 dB	85±2 dB
Ripple		≤2 dB/3.84MHz	≤2 dB/3.84MHz
VSWR		≤2	≤2
Output Power		24±2 dBm	33±2 dBm
Max. Input Power Without Damage		-10 dBm	-10 dBm
ALC Active 10dB		Δ   ≤2 dB	Δ   ≤2 dB
Intermodulation Products		≤-45 dBc	≤-45 dBc
Spurious Emission	9KHz~1GHz	≤-36 dBm	≤-36 dBm
	1GHz~12.75GHz	≤-30 dBm	≤-30 dBm
Out of Band Gain	2.7≤f<3.5MHz	≤ 60dB	≤ 60dB
	3.5≤f<7.5MHz	≤ 45dB	≤ 45dB
	7.5≤f<12.5MHz	≤ 45dB	≤ 45dB
	12.5 MHz≤f	≤ 35dB	≤ 35dB
ATT step of 1 dB	1~10 dB	Δ   ≤1 dB	Δ   ≤1 dB
	10~20 dB	Δ   ≤1 dB	Δ   ≤1 dB
	20~30 dB	Δ   ≤1.5 dB	Δ   ≤1.5 dB
ACRR	5MHz	≥ 33dB	≥ 33dB
	10MHz	≥ 33dB	≥ 33dB
EVM		≤ 12.5%	≤ 12.5%
LED Indication	Power ON	Green	
	Power OFF	No Light	
Alarm	ALC not Active	—	Green
	ALC Active 5~10dB	—	Orange
	ALC Active 15~20dB	—	Red
Noise Figure @ max. gain		≤6 dB	≤6 dB
Time Delay		≤5 μs	≤5 μs
Power Supply		DC: 27V	
Power Consumption		< 75W	
RF Connector		N-Female	
Environment Conditions		IP40	
Humidity		< 90%	
Operating Temperature		-10℃ ~ +55℃	