

G(L)1800-75M+U2100-60M+L2600-70M-43dBm Triple Band Direct Coupling FOR Specifications

Items		Specifications	
		Uplink	Downlink
Frequency Range (MHz)	G(L)1800 Band	1710 ~ 1785	1805 ~ 1880
	U2100 Band	1920 ~ 1980	2110 ~ 2170
	L2600 Band	2500 ~ 2570	2620 ~ 2690
Max. Output Power (dBm) (Max. Gain, Center Frequency)		-10±2	≥43
Max. Gain (dB) (Center Frequency) @Optical Loss=0		55±3	55±3
ATT Adjustable Range (dB)		0 ~ 30	0 ~ 30
ATT Adjustable Step (dB)		1	1
ATT Adjustable Error (dB)		≤ ±1.5	≤ ±1.5
ALC Range (dB)		0 ~ 20	0 ~ 20
ALC Accuracy (dB)		≤ ±2.0	≤ ±2.0
Frequency Error (ppm)		≤ ±0.05	≤ ±0.05
Ripple In Band (dB)at 25°C	G(L)1800 Band	≤ 8.0	≤ 8.0
	U2100 Band	≤ 7.0	≤ 7.0
	L2600 Band	≤ 7.0	≤ 7.0
U2100	EVM (%)	≤ 12.5	≤ 12.5
	PCDE (dB)	≤ -35	≤ -35
G(L)1800	EVM (%)	≤ 6	≤ 6
3rd Inter-modulation attenuation (dBc)		≤ -45/30KHz	≤ -45/30KHz
ACPR		≤ -36dBc	≤ -36dBc
Spurious Emission (dBm) at out of band offset ±10MHz	9kHz~150kHz	≤ -36/1KHz	≤ -36/1KHz
	150kHz~30MHz	≤ -36/10KHz	≤ -36/10KHz
	30MHz~1GHz	≤ -36/100KHz	≤ -36/100KHz
	1GHz~12.75GHz	≤ -5/1MHz	≤ -5/1MHz
Time Delay (us)		≤ 5	≤ 5
VSWR(Power up, Min Gain, Pin=-30dBm)	G(L)1800 Band	≤ 1.8	≤ 1.8
	U2100 Band	≤ 1.8	≤ 1.8
	L2600 Band	≤ 1.8	≤ 1.8
Noise Figure (dB) (Max. Gain)		≤ 7.0	/
Optical Specifications	Optical Connector	MU	FC/APC*4
		RU	FC/APC*1
	Optical Wavelength (nm)	MU	TX: 1550 / RX: 1310; Single Mode;
		RU	TX: 1310 / RX: 1550; Single Mode;
	Optical Output Power (dBm)	MU	0±3
		RU	4.5±3
Fiber optic path attenuation range(dB)		0~7	
Radio Connector	MU	N(f)*1;	
	RU	N(f)*1;	

Impedance (Ω)		50
Power Supply	MU	DC-48V or AC220V
	RU	AC220V
Power Consumption (W)	MU	≤ 80
	RU	≤ 380
Dimension (mm)	MU	430*300*44
	RU	489*409*186.5
Environmental Class	MU	IP20 (Indoor)
	RU	IP55(Outdoor)+ Fan + “H”Frame
Operating Temperature ($^{\circ}\text{C}$)	MU	-5 ~ +45
	RU	-25 ~ +55
Humidity (%)	MU	0~80
	RU	0~95
Device cooling ways		Cooling with fan (RU)
Control Function	MU	Mini-USB
	RU	USB