



TRIBAND REPEATER CSG RPTR GDU 99182170-20-70

PARAMETERS		Uplink	Downlink
Frequency Range	GSM	890 ~ 915 MHz	935 ~ 960 MHz
	DCS	1710 ~ 1785 MHz	1805 ~ 1880 MHz
	UMTS	1920 ~ 1980 MHz	2110 ~ 2170 MHz
Bandwidth	GSM	25 MHz	25 MHz
	DCS	75 MHz	75 MHz
	UMTS	60 MHz	60 MHz
Output Power	GSM	20±2 dBm	24±2 dBm
	DCS	20±2 dBm	24±2 dBm
	UMTS	20±2 dBm	24±2 dBm
Gain	GSM	70±2 dB	75±2 dB
	DCS	70±2 dB	75±2 dB
	UMTS	70±2 dB	75±2 dB
Max. Input Power Without Damage	GSM	-10 dBm	-10 dBm
	DCS	-10 dBm	-10 dBm
	UMTS	-10 dBm	-10 dBm
Ripple	GSM	≤8 dB	≤8 dB
	DCS	≤10 dB	≤10 dB
	UMTS	≤6 dB	≤6 dB
VSWR	GSM	≤2	≤2
	DCS	≤2	≤2
	UMTS	≤2	≤2
Intermodulation Products	GSM	≤-36 dBm	≤-45 dBc
	DCS	≤-30 dBm	≤-45 dBc
	UMTS	≤-30 dBm	≤-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
	UMTS	≤8 dB	≤8 dB
ATT (GSM) step of 1 dB	1~10 dB	≤1 dB	≤1 dB
	10~20 dB	≤1 dB	≤1 dB
	20~25 dB	≤1.5 dB	≤1.5 dB
ATT (DCS) step of 1 dB	1~10 dB	≤1 dB	≤1 dB
	10~20 dB	≤1 dB	≤1 dB

PARAMETERS		Uplink	Downlink
	20~25 dB	≤1.5 dB	≤1.5 dB
ATT (UMTS) step of 1 dB	1~10 dB	≤1 dB	≤1 dB
	10~20 dB	≤1 dB	≤1 dB
	20~25 dB	≤1.5 dB	≤1.5 dB
ALC Active 10dB	GSM	≤2 dB	≤2 dB
	DCS	≤2 dB	≤2 dB
	UMTS	≤2 dB	≤2 dB
Time Delay	GSM	≤1.5 μs	≤1.5 μs
	DCS	≤1.5 μs	≤1.5 μs
	UMTS	≤1.5 μs	≤1.5 μs
Alarm (GSM)	ALC not Active	—	Green
	ALC Active 5-10dB	—	Orange
	ALC Active >15dB	—	Red
Alarm (DCS)	ALC not Active	—	Green
	ALC Active 5-10dB	—	Orange
	ALC Active >15dB	—	Red
Alarm (UMTS)	ALC not Active	—	Green
	ALC Active 5-10dB	—	Orange
	ALC Active >15dB	—	Red
LED Indication	Power On	Green	
	Power Off	No Light	
Power Supply		DC: 12 V / 10 A	
Mechanical Specifications			
RF Connector		N-Female	
Dimensions (HxWxD)		53x130x250 mm	
Weight		>2.5 Kg	
Environment Conditions		IP40	
Humidity		< 90%	
Operating Temperature		-10°C ~ +55°C	



WE ALSO UNDERTAKE DESIGNS PER YOUR REQUIREMENT