

Repeater Products

C O S C O M CO., LTD.

◆ RF Optical Repeater



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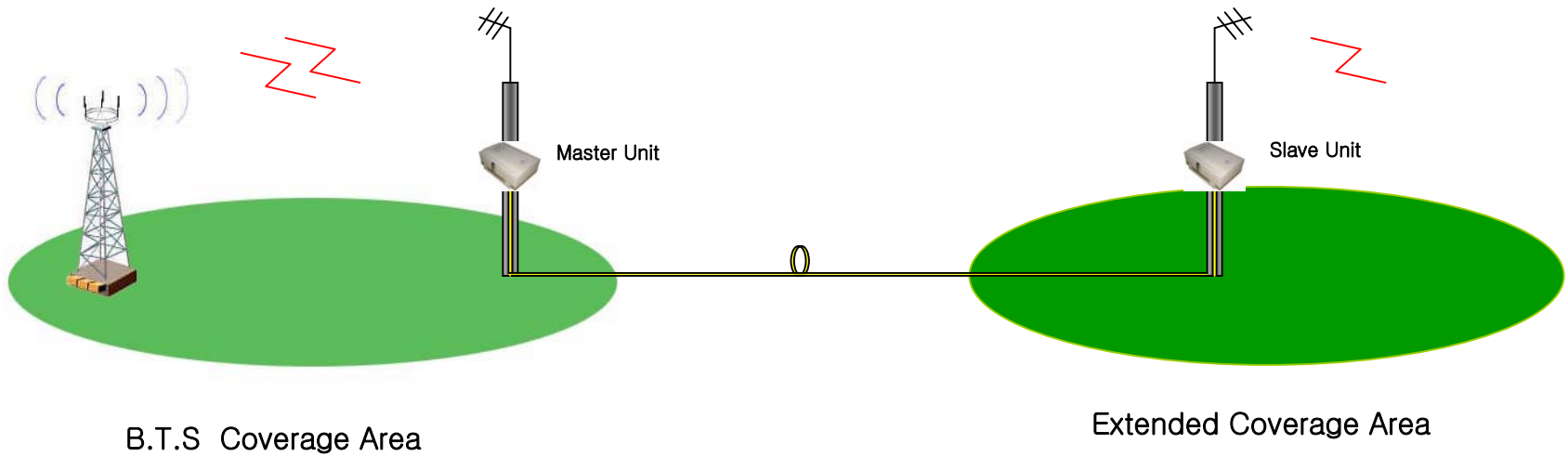
RF Optical Repeater



<Feature>

- Apply High Quality Laser Diode*
- TE-Cooler & WDM Technology*
- Light Weight*
- Superior Performance*
- Low Power Consumption*

System Composition



Electrical Specification

Parameters	Standards		Remark
Frequency	All Wireless System Band		CELLUAR, GSM, DCS, PCS, WCDMA
Bandwith	Customize Acceptable		
GAIN	Down Link 110dB, Up Link 90dB		
GAIN FLATNESS	±1.5dB		
V.S.W.R.	1.5 : 1		
Input Power Range	Down Link : -67 ~-33dBm Up Link : -110 ~-60dBm		
Max. Output Power	+43dBm(20W)		@Total Output Power
IMD	CDMA: < -15 dBm, GSM: < -36 dBm, DCS: < -30 dBm		@Max Output Power
Spurious	CDMA	< -45dBc/30KHz @ fc ± 750KHz < -60dBc/30KHz @ fc ± 1.98MHz	
	GSM	Meet ETSI Standard	
Noise Figure	CDMA : < 5dB GSM : < 6dB		

Electrical Specification

Parameters	Standard	Remark
Impedance	50Ω	
Group Delay	2μs	
Power Supply	AC : 110~220V, 50~60Hz	Operating Voltage Battery Back-Up

Control Options Specification

Parameters	Standard	Remark
AGC, ALC RANGE	20dB	
Gain Control Type	Variable ATT,& 30dB Step ATT/1dB Step	
Step Attenuation	LNA, HPA, Over Power, Optical Power AC/DC, Door Open/Close, Over Temperature	
NMS	Used	

Physical Specification

In/Out Connector	N Type Female	
Weight	≤ 35	kg
Dimension (W×H×D)	320 × 450 × 175	mm

Environmental Specification

Operating Temperature	-40 ~ +70	°C
Relative Humidity	95	%
Enclosure Protection	Full Protection Against Dust Insertion	

The enclosure shall have no damage or degradation and the electrical specifications shall be maintained under above conditions.

Customer design and specifications are available.