



REPEATER

S-RW7520-18

SPARKS REPEATER has the cost effective characteristic to wirelessly forward and two-way amplify uplink and downlink cellular signals, supporting FDD-LTE 1800 mobile communication signal enhancement and widely adopted to quickly solve the poor coverage issue of indoor areas.

SPARKS products are crafted from robust materials, ensuring durability and stable performance.

SPARKS 增波器具有高性价比的特点，可无线转送和双向放大上下行行动通讯讯号，支援FDD-LTE 1800行动通讯讯号增强，广泛采用，快速解决覆盖不良问题室内区域的问题。

SPARKS 产品采用坚固的材料制成，确保耐用性和稳定的性能。



20dBm

Features

- Maximum 20dBm output power.
- 最大20dBm输出功率。

Specifications

Electrical Parameters 電性參數	MHz	1800MHz
Uplink Frequency Range 上行頻率範圍	MHz	1710-1775
Downlink Frequency Range 下行頻率範圍	MHz	1805-1870
Operating Mode 工作模式		FDD-LTE
Operating Bandwidth 工作頻寬	MHz	65
Uplink Output Power 上行輸出功率	dBm	20±2
Downlink Output Power 下行輸出功率	dBm	20±2
Uplink Maximum Gain 上行最大增益	dB	70±3
Downlink Maximum Gain 下行最大增益	dB	75±3
Manual Gain Control (1dB step) 手動增益控制 (全頻帶調整每階 1dB)	dB	0-31
Auto Level Control 自動電平控制	dB	≥20
Max. No Damage Power 無損壞最大輸入功率	dBm	-10
Pass Band Ripple (p-p) 通過頻帶波紋	dB	≤±4
EVM 誤差向量幅度	%	≤8
Frequency Stability 頻率穩定度	ppm	≤0.01
Noise Figure (uplink) 上行雜訊指數	dB	≤6
System Delay 系統延遲	μsec	≤3
VSWR 駐波比		≤2.4
Spurious Emissions 混附波輻射		Comply with 3GPP TS 36.106 & TS 38.106
Spectrum Emission Mask 混附波輻射波罩		Comply with 3GPP TS 36.106 & TS 38.106

Mechanical Parameters		
Dimensions, L x W x H 尺寸 長x寬x高	mm	350*250*50
Weight (approx.) 重量	kg	3.5
Power Supply 電源		AC100-240V, comply with EN60950
Power Consumption (approx.) 消耗電功率	W	≤20
RF Connectors 射頻接頭		2*4.3-10-Female, 50Ω
Local Control 本地控制		LCD+Keypad & Wi-Fi via Web Browser USB-C/RJ45 (customizable)
OMC 連接網管方式		Through WiFi, and LTE Modem can be optional
Operating Temperature 工作溫度	°C	-10 to +55
Operating Humidity 工作濕度	%	≤95
Ingress Protection 異物防護等級		IP40, Indoor
Installation Type 安裝方式		Wall or Pole Mounted
MTBF 平均故障間隔時間	hours	≥50000