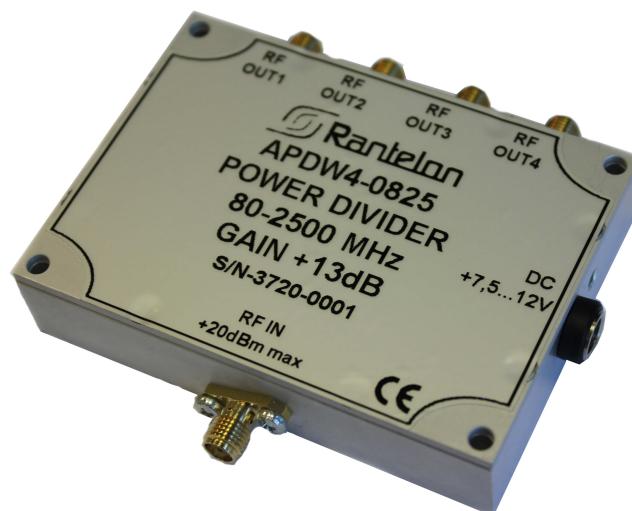


Datasheet: Issue December 2015

KEY FEATURES

- Very wideband
- High isolation
- Aluminum case
- Low ripple
- Low noise figure



APPLICATION AREAS

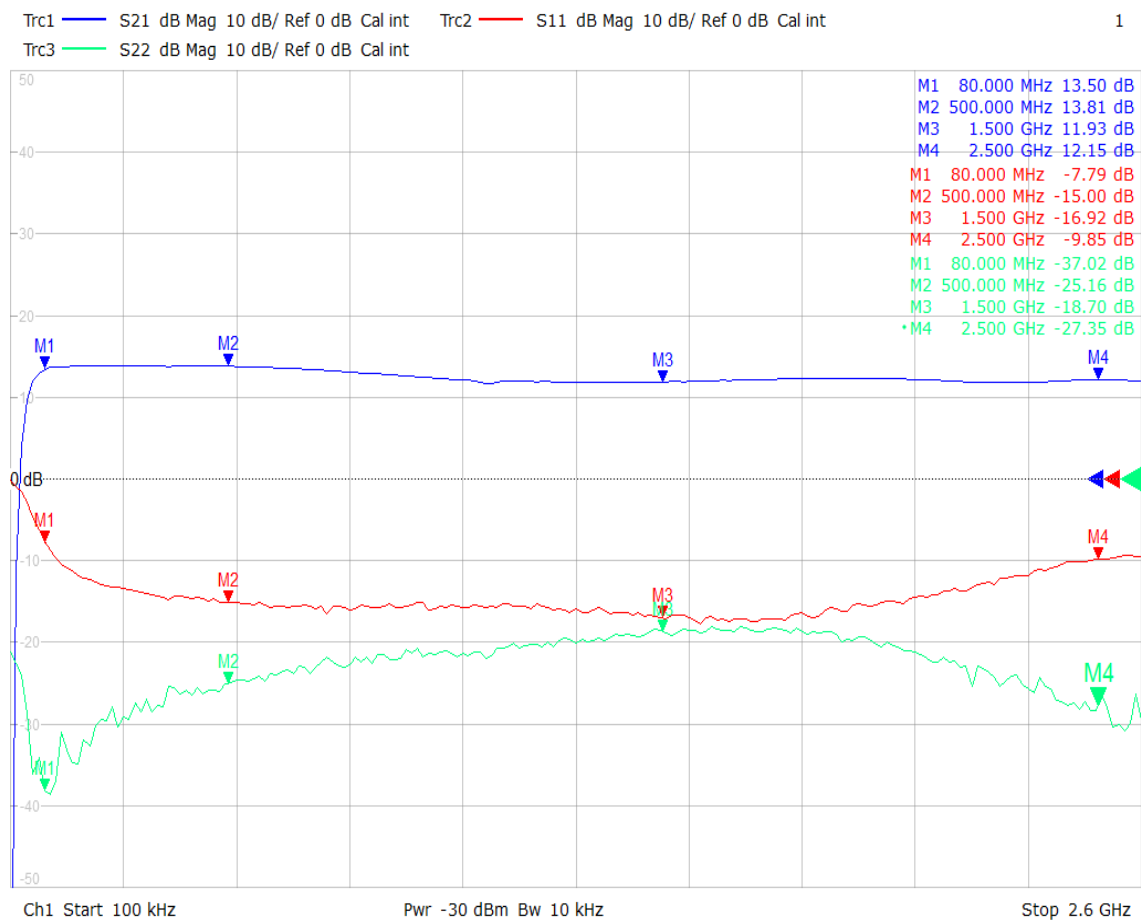
- LTE, UMTS, GSM
- WLAN2400
- GPS/GLONASS
- FM RADIO
- VHF/UHF

TECHNICAL SPECIFICATIONS

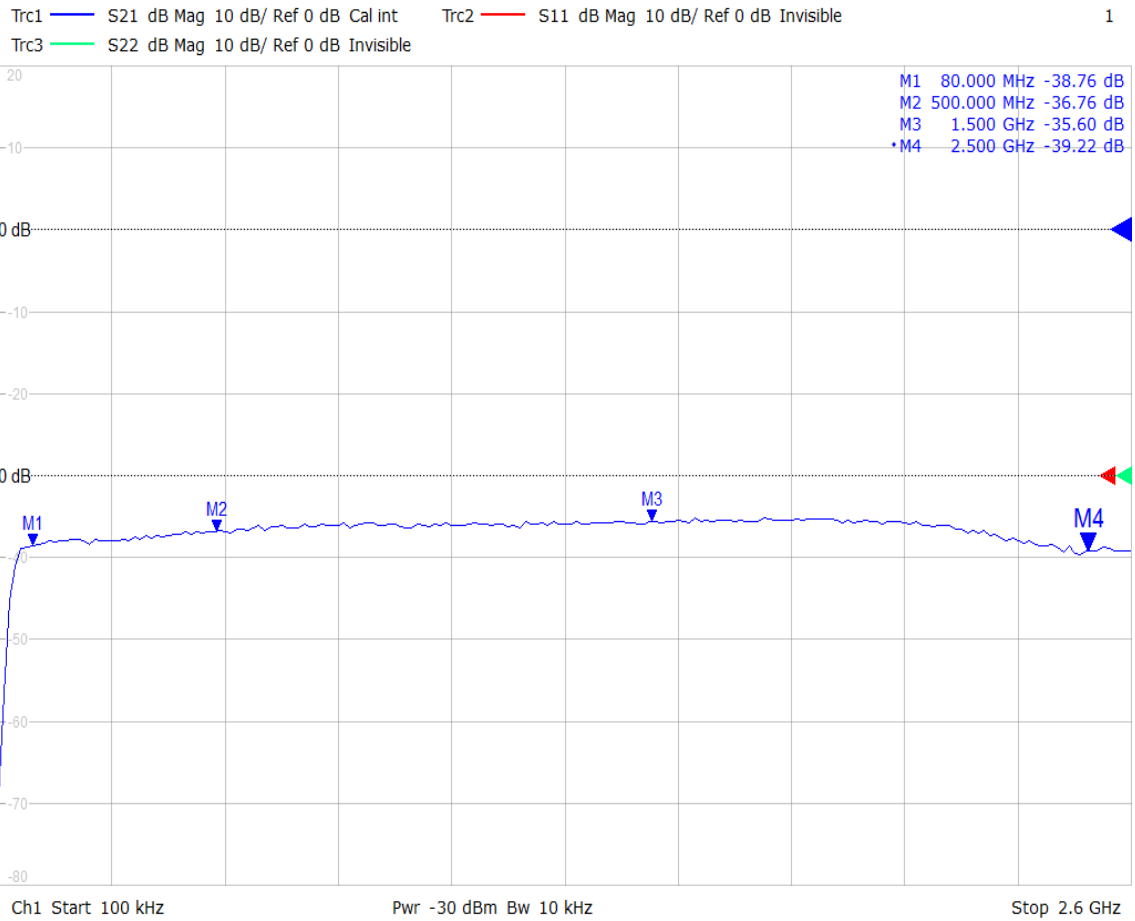
For the minimum ripple in transfer function all unused ports must be loaded.

Parameter		Specification
Frequency range		80-2500 MHz
Type		4-way
DC voltage		+DC 7.5-12V (15V max.)
Current consumption		510mA
Linear mode maximum range		-10dBm
Absolute maximum input power		+20dBm
Gain:	@80 MHz	13.5dB
	@500 MHz	13.6dB
	@1500 MHz	11.9dB
	@2500 MHz	12.5dB
Amplitude unbalance		0.5dB max.
Phase unbalance	@80 MHz	±0.5°
	@500 MHz	±1°
	@1500 MHz	±3.5°
	@2500 MHz	±5°

Isolation:	@80 MHz @500 MHz @1500 MHz @2500 MHz	-38.5dB -36.5dB -35.7dB -39.5dB
Noise Figure:	@80 MHz @500 MHz @1500 MHz @2500 MHz	1.9dB 1.5dB 2.2dB 2.5dB
Input/output Impedance	50Ω/50Ω	
RF Connectors	SMA female	
DC power connector	2.1mm power jack	
Enclosure type and dimentions	Aluminum housing, solid, indoor; 80x57x17mm	



Example of transfer function and matching.



Example of isolation between output ports.

Rantelon reserves the right to change the specification without notice.