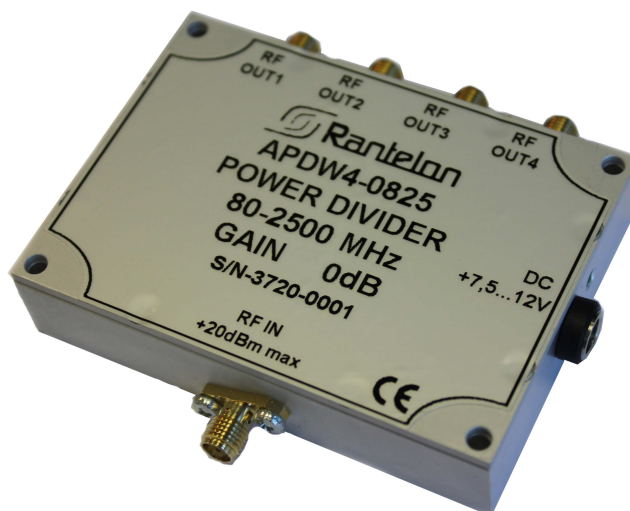


Datasheet: Issue December 2015

KEY FEATURES

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



APPLICATION AREAS

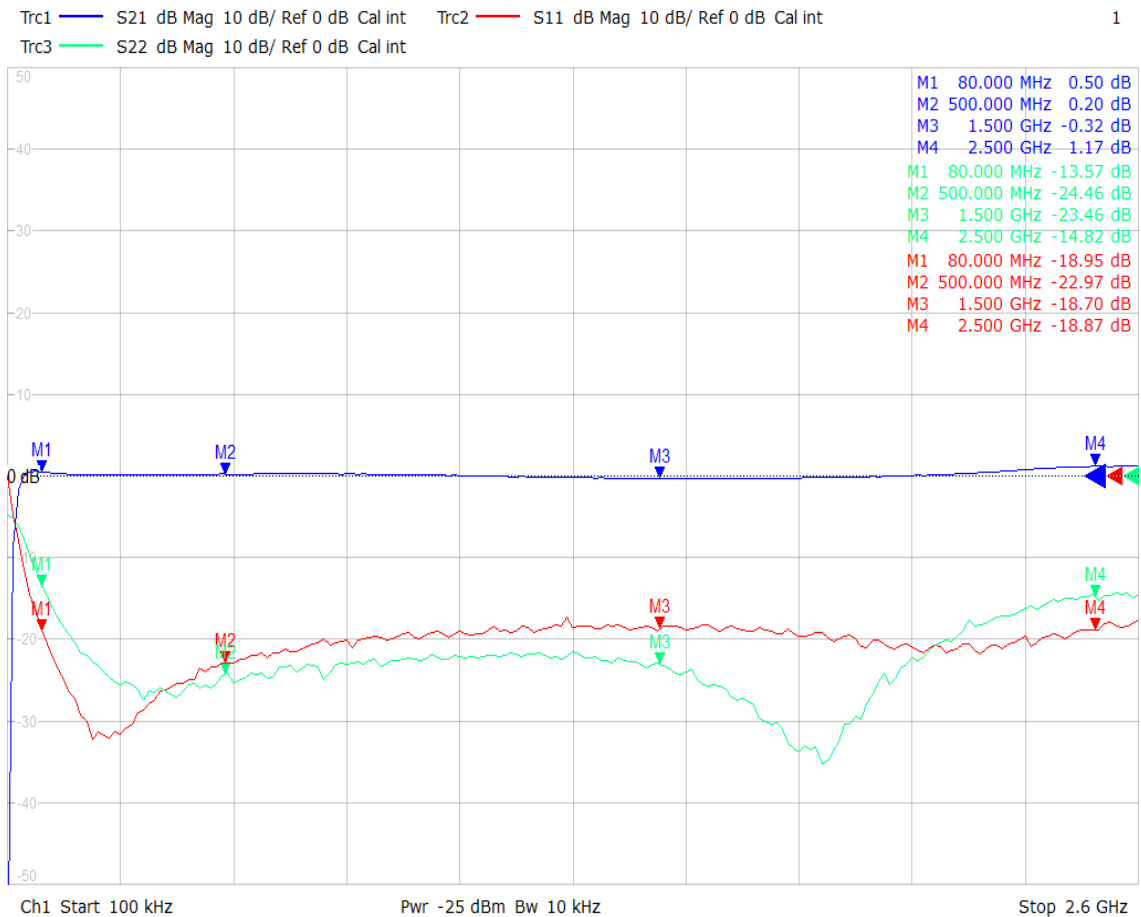
- LTE, UMTS, GSM
- WLAN2400
- GPS/GLONASS
- FM RADIO
- VHF/UHF

TECHNICAL SPECIFICATIONS

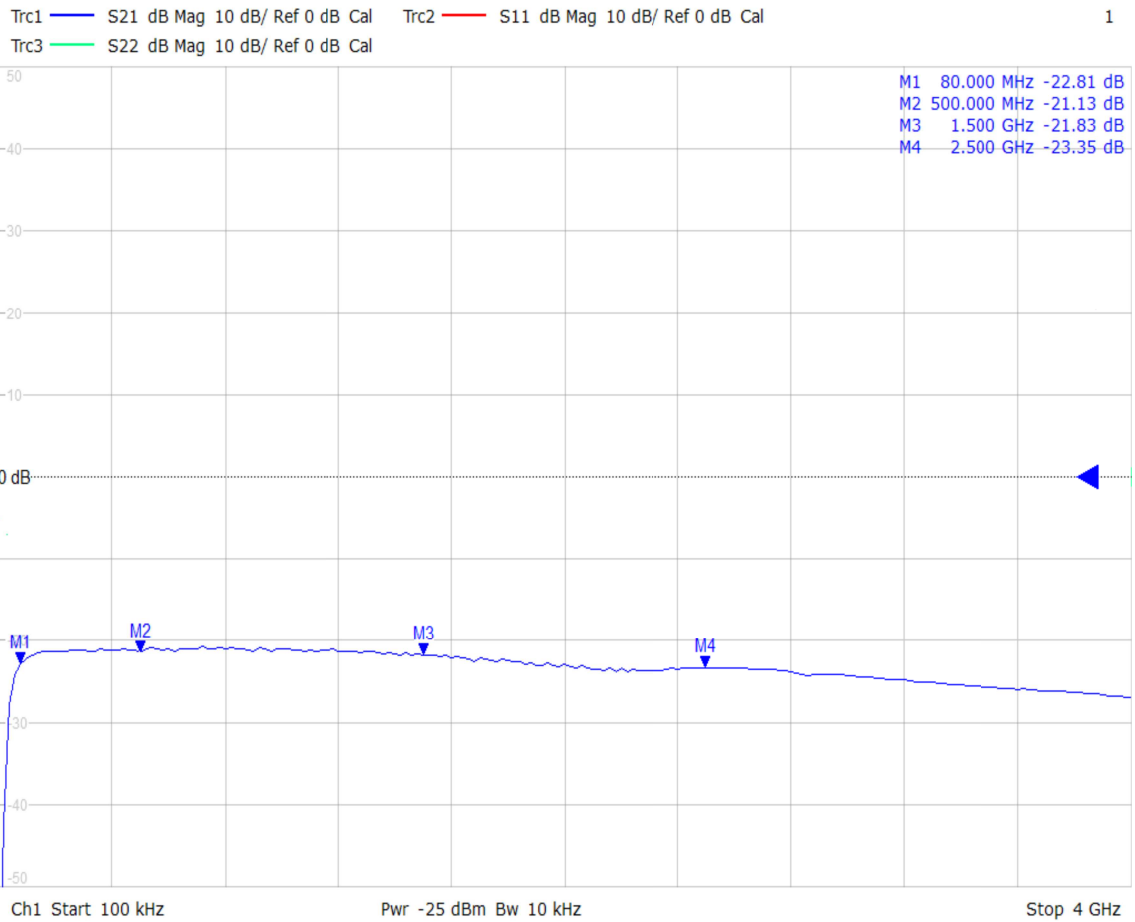
For minimum ripple in transfer function all unused ports must be loaded.

Parameter		Specification
Frequency range		80-2500 MHz
Type		4-way
DC voltage		+DC 7.5-12V (15V max.)
Current consumption		370mA
Linear mode maximum range		0dBm
Absolute maximum input power		+23dBm
Gain:	@80 MHz	0.4dB
	@500 MHz	0.2dB
	@1500 MHz	-0.2dB
	@2500 MHz	0.7dB
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	-22.7dB -21.1dB -21.8dB -23.5dB
Noise Figure:		14dB
Input/output impedance		50Ω/50Ω
RF connectors		SMA female
DC power connector		2.1mm power jack
Enclosure type and dimensions		Aluminum housing, solid, indoor; 80x57x17mm



Example of transfer function and matching.



Example of isolation and between output ports.

Rantelon reserves the right to change the specification without notice.