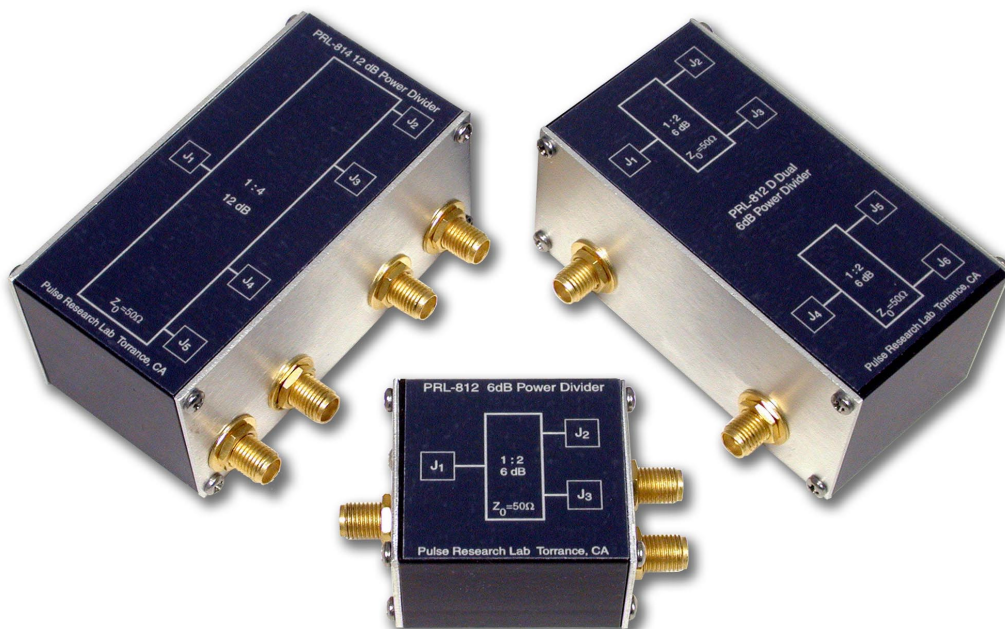


PRL-812, PRL-812D and PRL-814 POWER DIVIDERS



PRL-814, PRL-812D, and PRL-812

DESCRIPTION

These devices are DC coupled, 50 Ω power dividers intended for broad band and microwave applications. The PRL-812-SMA, PRL-812-BNC, and PRL-812D are 1:2, or 6 dB, dividers, and the PRL-814 is a 1:4, or 12 dB, divider. The PRL-812D is a dual channel unit, and the others are single channel units. The PRL-812 is available with BNC or SMA connectors; the PRL-812D and PRL-814 are available only with SMA connectors.

The input impedance of each port is 50 Ω when all the other ports are terminated into 50 Ω .

*SPECIFICATIONS (0° C \leq T_A \leq 35°C)

	PRL-812-BNC	PRL-812-2WBNC	PRL-812-SMA	PRL-812D	PRL-814
I/O Voltage ratio	2X	2X	2X	2X	4X
Insertion Loss (DC)	6 dB	6 dB	6 dB	6 dB	12 dB
No. of channels	1	1	1	2	1
No. of Outputs/channel	2	2	2	2	4
Typical Output Rise Time*	80 ps	125 ps	60 ps	75 ps	115 ps
Typical -3 dB Bandwidth	4.3 GHz	2.8 GHz	5.8 GHz	4.6 GHz	3 GHz
I/O Impedance (DC)	50 $\Omega \pm 0.5 \Omega$	50 $\Omega \pm 0.5 \Omega$	50 $\Omega \pm 0.5 \Omega$	50 $\Omega \pm 0.5 \Omega$	50 $\Omega \pm 0.5 \Omega$
I/O Connectors	BNC	BNC	SMA	SMA	SMA
Maximum Input Power (avg)	0.9 W	2 W	0.9 W	0.9 W	0.9 W
Maximum V_{IN} (DC)	6.7 V	10 V	6.7 V	6.7 V	6.7 V
Dimensions (W x H x D-in.)	1.3 x 1.0 x 1.5			2.8 x 1.3 x 1.5	
Weight (Oz)	2	2	2	3	3

*Worse case is 10% higher than the typical value.



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