

Power Divider

DESCRIPTION

- 10 W unequal power divider.
- The divider covers the frequency range from 40 - 1000 MHz.
- Very little ripple on divider output over the entire frequency range.

SPECIFICATIONS

Electrical						
Model	PRO-PDI2-40-1G-... dB-10W-N					
Frequency	40 - 1000 MHz					
Coupling	3 dB	6 dB	7 dB	8 dB	10 dB	20 dB
Impedance	50 Ω					
Nominal Divider Loss	3 dB	1.25 dB	0.8 dB	0.75 dB	0.45 dB	0.04 dB
Total Loss	3.7 dB @ 40 MHz	2 dB @ 40 MHz	2 dB @ 40 MHz	1.8 dB @ 40 MHz	1.8 dB @ 40 MHz	0.8 dB @ 40 MHz
	4.8 dB @ 1000 MHz	3.75 dB @ 1000 MHz	2.75 dB @ 1000 MHz	2.9 dB @ 1000 MHz	2.9 dB @ 1000 MHz	1.7 dB @ 1000 MHz
Isolation Between Outputs	17 dB	10 dB	10 dB	10 dB	12 dB	15 dB
Maximum Input Power	10 W					
Input VSWR	< 1.5:1					

Mechanical	
Connection(s)	N(f)
Dimensions	129 (incl. conn.) x 256 (incl. flanges) x 35 mm 5.08 x 10.08 x 1.38"
Weight	0.36 kg / 0.79 lb

Environmental	
Operating Temperature Range	-30 °C to +60 °C

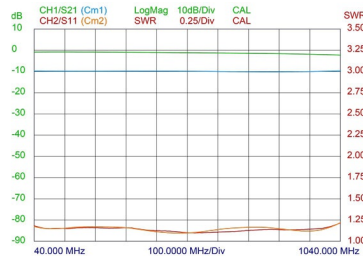
ORDERING

Type	Product No.
PRO-PDI2-40-1G-3 dB-10W-N	210000438
PRO-PDI2-40-1G-6 dB-10W-N	210000440
PRO-PDI2-40-1G-7 dB-10W-N	210000443
PRO-PDI2-40-1G-8 dB-10W-N	210000444
PRO-PDI2-40-1G-10 dB-10W-N	210000446
PRO-PDI2-40-1G-20 dB-10W-N	210000445

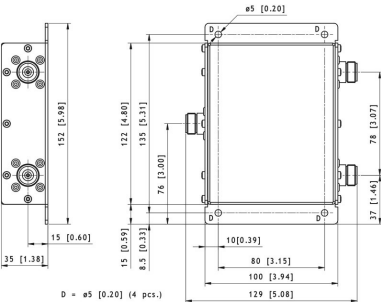


DIAGRAM

TYPICAL RESPONSE CURVE (-10 dB version)



MOUNTING DETAILS



All dimensions are given in mm [in.]