



DCP 0100A DUAL DIRECTIONAL COUPLER 10 kHz to 1 GHz



BCI and radiated immunity systems require the accurate monitoring of forward and reflected power levels into clamps, antennas or other transducers. This high power dual directional coupler has been specifically designed for EMC immunity applications.

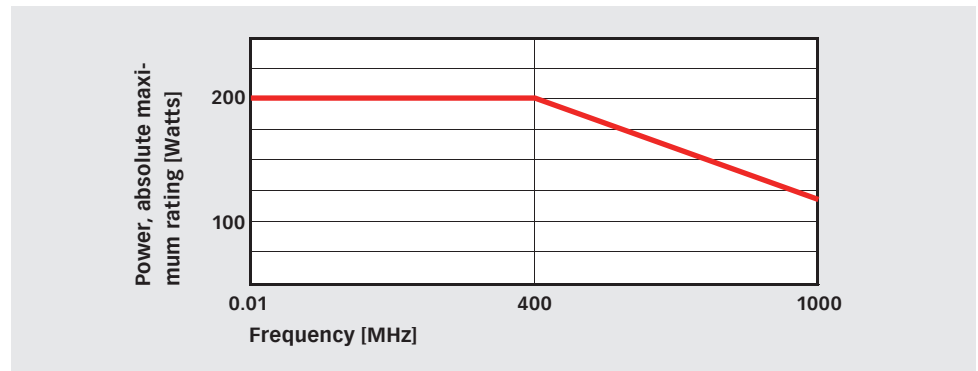
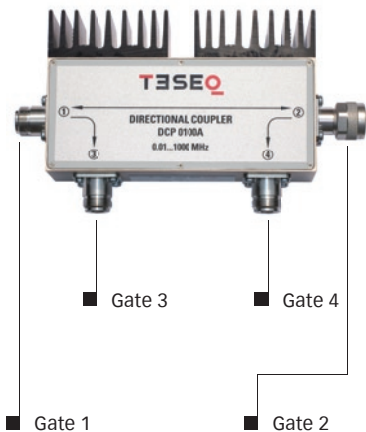


DCP 0100A

- Dual directional coupler
- Wide frequency range
- High power handling

Technical specifications

Frequency range:	10 kHz to 1 GHz
Impedance:	50 Ω
Power, nominal:	100 W
Insertion loss (gate 1 - gate 2):	≤ 0.8 dB (≤ 0.5 dB up to 400 MHz / ≤ 0.8 dB up to 1 GHz)
VSWR:	< 1:1.4 (gate 1 - gate 2)
Coupling factor:	40 dB ± 1.5 dB (gate 1 - gate 3 and gate 2 - gate 4)
Directivity:	> 20 dB
Cross talk attenuation:	> 40 dB (gate 3 - gate 4)
Connectors:	N type female (gate 1, 3 and 4), N type male (gate 2)
Dimensions L x W x D:	190 mm x 105 mm x 45 mm
Weight:	approx. 700 g



Delivery information

Part number	Description
234600	DCP 0100A Dual directional coupler 10 kHz - 1000 MHz / 100 W
97-234600	DCP 0100A-TC Traceable calibration (ISO17025), order only with device DCP 0100A

Teseq GmbH
Landsberger Str. 255 · 12623 Berlin · Germany
T +49 30 56 59 88 35 F +49 30 56 59 88 34
desales@teseq.com www.teseq.com



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