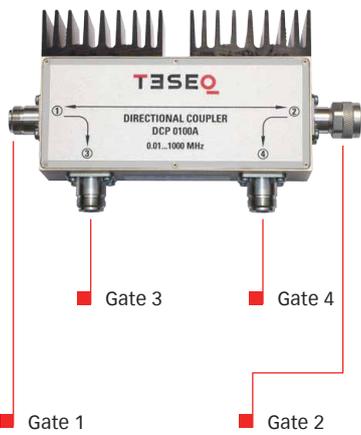




DCP 0100A DUAL DIRECTIONAL COUPLER 4 kHz to 1 GHz



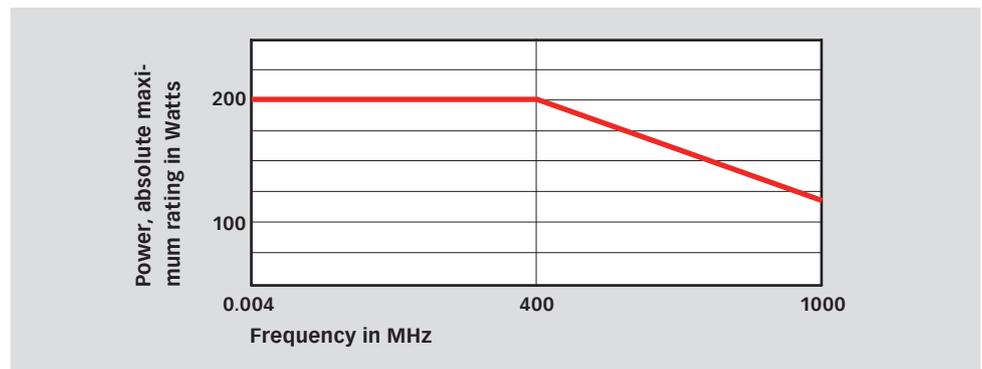
- Dual directional coupler
- Wide frequency range
- High power handling



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.

Technical specifications

Frequency range:	4 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 10 kHz to 400 MHz:	> 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



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82-234600 E03 March 2018

Delivery information

Part number	Description
234600	DCP 0100A Dual directional coupler 4 kHz - 1000 MHz / 100 W
97-234600	DCP 0100A-TC Traceable calibration (ISO17025), order only with device DCP 0100A