



MAIN FEATURES

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

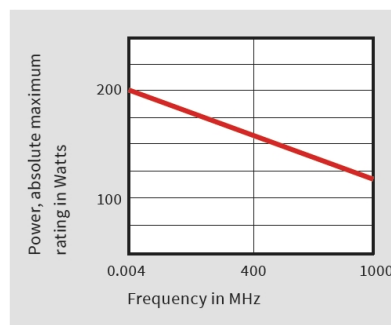
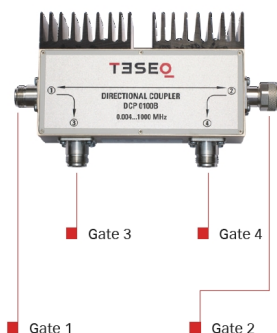
DCP 0100B

Dual Directional Coupler 4 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 application.

Specifications

Frequency range	4 kHz to 1 GHz
Impedance	50 Ω
Power, nominal	100 W
Insertion loss (gate 1 - gate 2)	≤ 0.7 dB up to 400 MHz/ ≤ 1.0 dB up to 1 GHz
VSWR	$< 1:1.4$ (gate 1 - gate 2)
Coupling factor	40 dB ± 1.5 dB (gate 1 - gate 3 & gate 2 - gate 4)
Directivity 10 kHz to 400 MHz	> 20 dB
Cross talk attenuation:	> 40 dB (gate 3 - gate 4)
Connectors:	N type fem. (gate 1, 3 and 4), N type male (gate 2)



General Specifications

Dimensions L x W x D	190 mm x 105 mm x 45 mm
Weight:	approx. 700 g

Order Information

Part number	Description
234605	DCP 0100B Dual directional coupler 4 kHz - 1 GHz / 100 W nominal, 50 Ω , coupling factor 40 dB, N-connectors
97-234605	DCP 0100B-TC Traceable calibration (ISO17025), order only with device
98-234605	DCP 0100B-DAkKS Accredited calibration (ISO17025), order only with device