

Power Dividers

Space Qualified

DS-Series

V2.00

Electrical Specifications

Part #	DS-1177 Two-way	DS-1178 Two-way	DS-11880 Three-way
Frequency Range	10–500 MHz	10–2000 MHz	200–1024 MHz
Insertion Loss	0.8 dB Max	20–1000 MHz: 1.3 dB Max 1000–1500 MHz: 1.4 dB Max 1500–2000 MHz: 2.0 dB Max	1.3 dB Max
Isolation	25 dB Min	20–1000 MHz: 2.0 dB Min	18 dB Min
VSWR	Input: 1.5:1 Max Output: 1.4:1 Max	20–1000 MHz: 1.5:1 Max 1000–1500 MHz: 1.6:1 Max 1500–2000 MHz: 2.0:1 Max	Input: 1.4:1 Max Output: 1.7:1 Max
Amplitude Balance	0.2 dB Max	20–1000 MHz: 0.3 dB Max 1000–1500 MHz: 0.4 dB Max 1500–2000 MHz: 0.6 dB Max	0.4 dB Max
Phase Balance	2.0° Max	20–1000 MHz: 4.0° Max 1000–1500 MHz: 6.0° Max 1500–2000 MHz: 8.0° Max	4.0° Max
Impedance	50 Ohm	50 Ohm	50 Ohm
Input Power Rating	1.0W Max	250mW Max	1.0W Max
Internal Load Dissipation	50mW Max	50mW Max	50mW Max
Package: Flatpak	0.385" x 0.510"	0.385" x 0.510"	0.625" x 0.625"

Part #	DS-5000 Two-way	DS-S5001 Four-way
Frequency	0.4–400 MHz	0.5–100 MHz
Isolation	25 dB Min	25 dB Min
Insertion Loss (less coupling)	0.75 dB Max	0.5 dB Max
VSWR	1.5:1 Max	1.3:1 Max
Amplitude Balance	0.15 dB Max	0.2 dB Max
Phase Balance	1.0° Max	4.0° Max
Package Size — Flatpak	0.385" x 0.510"	0.810" x 0.810"

Specifications Subject to Change Without Notice.

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