

High Frequency Power Dividers



RLC Electronics' D-10265 Series of high frequency power dividers are compact microstrip units covering the frequency range of 10 to 26.5 GHz. These units provide low VSWR at all ports and high isolation between all output ports. Phase

and amplitude tracking of all outputs are excellent due to the symmetrical designs. Combinations of two-way, multi-step transformers in one package forms the basic building blocks in these "Wilkinson" type power dividers.

Specifications

D-10265¹

Model Number	VSWR (Max.)	Insertion Loss (Max.)	Isolation (Min.)	Amplitude Balance	Phase Balance
D-10265 - 2	1.6:1	0.8 dB	16 dB	±.5	±.6°
D-10265 - 4	1.8:1	1.6 dB	16 dB	±.6	±.8°
D-10265 - 8	2.0:1	2.4 dB	16 dB	±.7	±.10°

Power: 10 watt average
(output terminated with VSWR less than 1.35)
200 mW average (output terminated with any VSWR and phase)

Frequency: 10 – 26.5 GHz

Connectors: SMA female

Impedance: 50 ohms

Environment: MIL-E-5400, Class 1A

To designate the power divider desired use:

(1) – 2 for 2 way, – 4 for 4 way, – 8 for 8 way.s, M surface mount

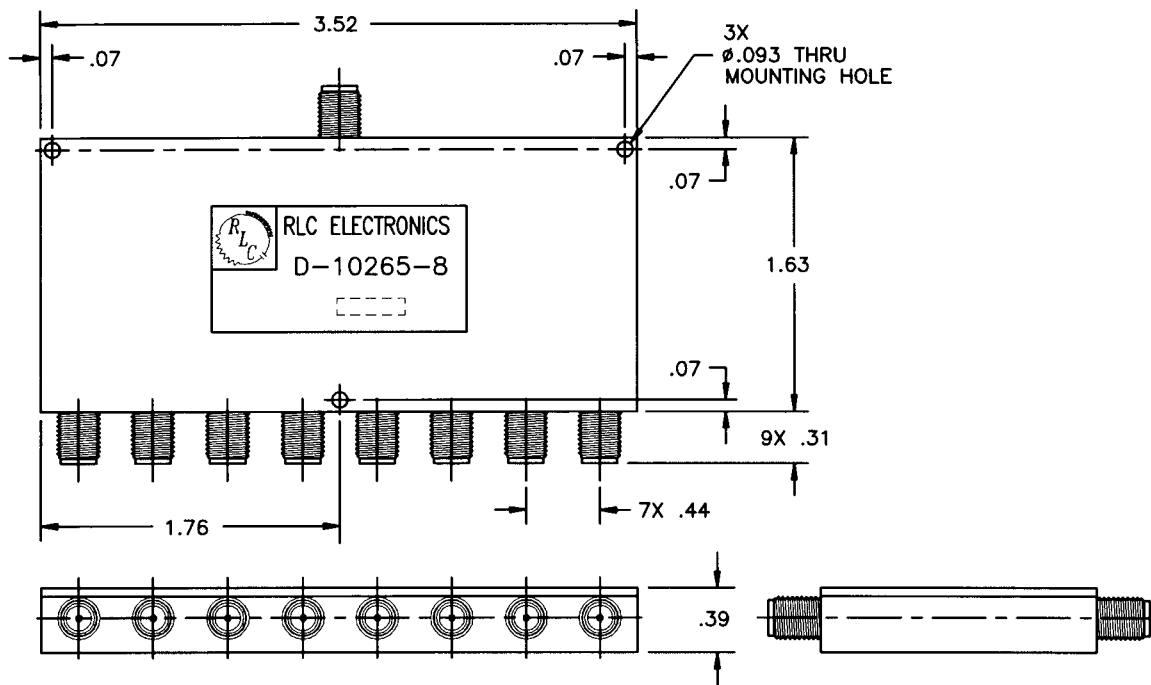
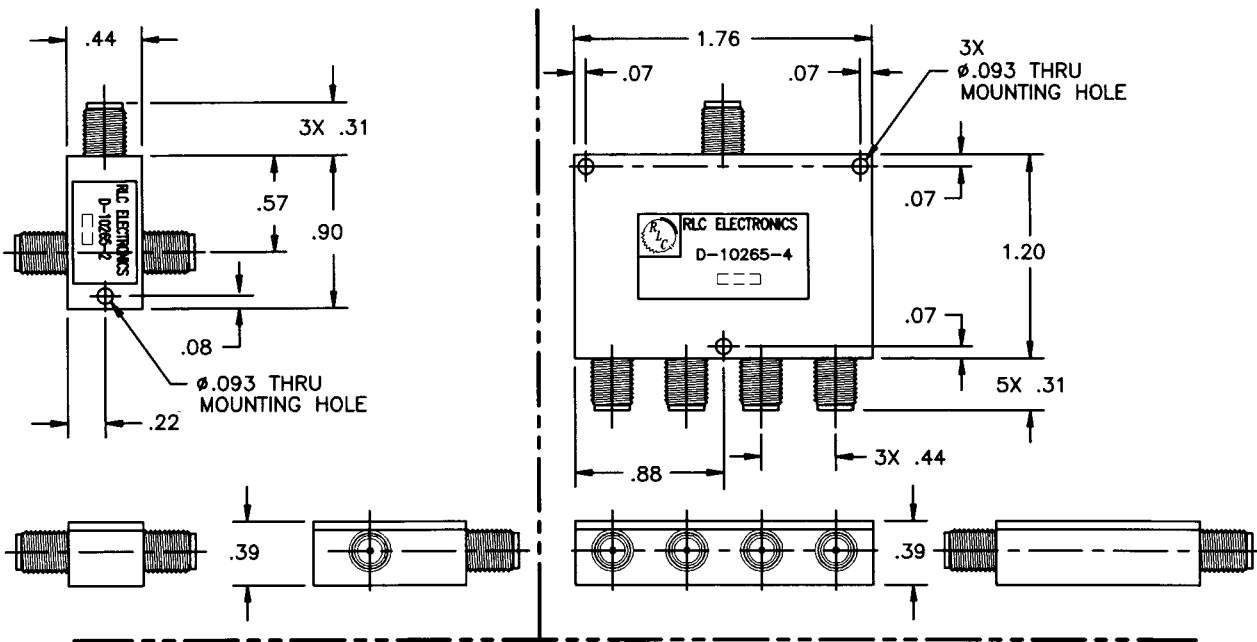
Example: D-10265-8 is a 10 – 26.5 GHz, 8 output power divider



RLC ELECTRONICS, INC.

83 Radio Circle, Mount Kisco, New York 10549 • Telephone: 914-241-1334 • Fax: 914-241-1753
e-mail: sales@rlcelectronics.com • www.rlcelectronics.com

Outline - All connectors 'SMA' (f)



Tolerances unless otherwise specified are: .xx \pm .02, .xxx \pm .005



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