MICROLAB/FXR

Power Dividers

DA-DE series

Resistive Dividers/Combiners
DC – 1,500 MHz

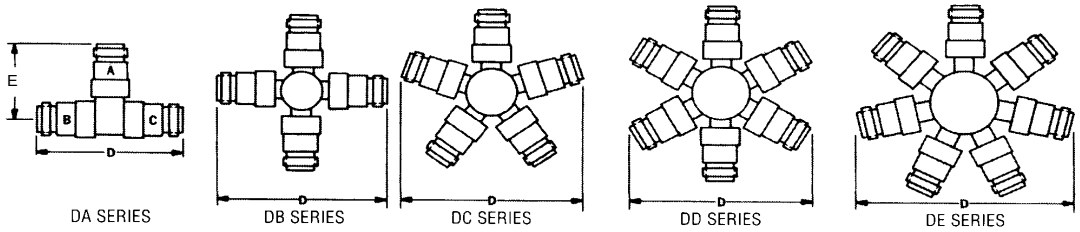
- **2 to 6 way Divider/Combiner**
- **Up to 12 ways to special order**
- **2 Watts Average Power Rating**
- **Wide Band Performance**
- **High Reliability**
- **Choice of N, BNC, TNC or SMA**

Microlab/FXR DA through DF series power dividers are miniaturized multi-terminal devices designed to separate or combine RF signals. They employ resistive elements to match one or more terminals to 50 ohms. Careful design of resistive elements and impedance matching techniques permit the use of these dividers at frequencies to 1.5 GHz and higher.

The DA series are three arm dividers. The DA-3 has minimum insertion loss and three matched arms. The DA-4 has minimum insertion loss and maximum load isolation. The DA-5 has two matched inputs, minimum insertion loss, and is designed for power combination. The DA-6 has three matched arms and maximum load isolation.

The DB-, DC-, DD- and DE- series dividers consist of 4, 5, 6, and 7 arm devices with all arms matched to 50Ω. The units are electrically and mechanically symmetrical and are designed for use as dividers or combiners. Microlab/FXR also has reactive Power Dividers shown in the D2-D6 series data.

Standard units are available with three to seven arms. Units designed to meet special requirements for bandwidth, size, connectors, etc., are available on request. (7/02)



4th Character		5th Character		Typical Part No. (f-f)
Polarity	In-Out	Connector	Letter	
f-f	F	N	N	DA-3FN
m-f	T	BNC	B	DA-3FB
m-m	M	TNC	T	DA-3FT
		SMA	F	DA-3FF

General Specifications

Power Rating:	2 W avg., 2 kW peak
Impedance:	50Ω nominal
Temperature:	-55°C to +150°C
Finish:	Silverplate to QQ-S-365

Part Number	No of Arms	Frequency Range GHz	Input Arm(s)	Output Arm(s)	Insertion Loss, dB*	Load Isolation, dB**	Input VSWR max	Output VSWR Max	† Dimensions Inches "D"	† Dimensions Inches "E"	Weight (oz.)
DA-3FN	3	DC-1.5	Any	Any	6.0	6.0	1.25:1	1.25:1	2.5	1.4	3.6
DA-4FN			A	B & C		12.0		2.00:1			
DA-5FN			B & C	A	4.7	7.7		1.80:1			
DA-6FN			Any	Any	9.5	19.0	1.30:1	1.30:1			
DB-3FN	4				9.5	9.5			2.8		5.5
DC-3FN	5				12.0	12.0			3.1		7.4
DD-3FN	6				14.0	14.0			3.4		8.3
DE-3FN	7				15.6	15.6			3.6		10.0

*input to any one output, nominal **any output to any other output †Full Drawing on request

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