



## 8-Way Multi-Octave Band Power Dividers/Combiners

### FEATURES

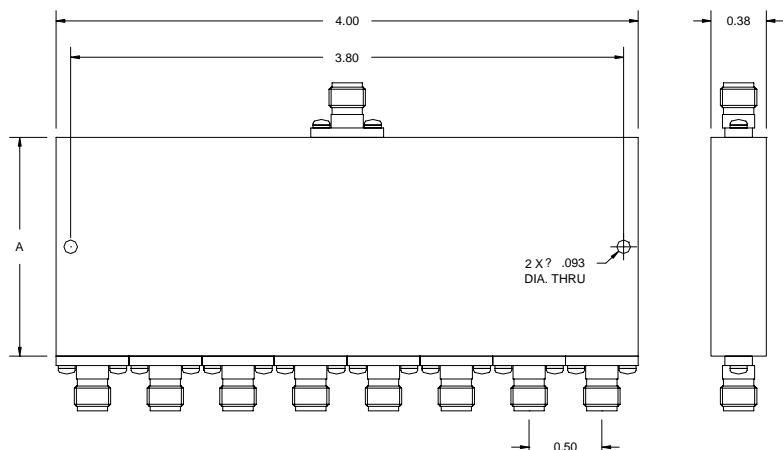
- ❖ Low Insertion Loss
- ❖ Low VSWR
- ❖ High Isolation
- ❖ Low Profile
- ❖ Excellent Amplitude Tracking
- ❖ Excellent Phase Tracking
- ❖ High Power Handling
- ❖ Wide Operating Temperature Range

### SPECIFICATIONS

8-Way Multi-Octave Band Power Dividers/Combiners													
Model Number	Freq (GHz)	Isolation (dB)		Insertion Loss (dB)		Amplitude Balance (dB rms) (Max)	Phase Balance ( $^{\circ}$ rms) (Max)	VSWR				Input Power (Watt)	Outline Figure
		Typ	Min	Typ	Max			Input		Output			
								Typ	Max	Typ	Max		
8DQ-2D25	0.5-4	21	19	2.2	2.5	0.25	2	1.45:1	1.55:1	1.30:1	1.40:1	50	6
8DF-1D65	0.7-2.6	21	19	1.2	1.5	0.2	2	1.40:1	1.50:1	1.25:1	1.35:1	30	5
8DS-1D50	0.8-2.2	22	20	1.1	1.4	0.2	2	1.35:1	1.45:1	1.25:1	1.30:1	30	5
8DF-2D50	1-4	22	20	1.3	1.6	0.2	2.5	1.40:1	1.50:1	1.25:1	1.35:1	30	5
8DF-5D00	2-8	21	19	1.6	1.9	0.3	3	1.45:1	1.50:1	1.30:1	1.40:1	30	4
8DQ-10D00	2-18	17	15	3.9	4.3	0.35	4	1.60:1	1.70:1	1.45:1	1.55:1	50	3
8DS-6D00	3-9	21	19	1.7	2.0	0.25	3	1.35:1	1.45:1	1.25:1	1.35:1	30	3
8DF-7D50	3-12	20	18	1.8	2.3	0.3	3.5	1.55:1	1.65:1	1.35:1	1.45:1	30	4
8DF-12D00	4-20	17	15	4.0	4.4	0.35	5	1.70:1	1.80:1	1.50:1	1.60:1	30	2
8DS-12D00	6-18	20	18	2.2	2.6	0.25	3.5	1.55:1	1.65:1	1.35:1	1.45:1	30	1
8DF-16D25	6-26.5	18	16	4.8	5.2	0.45	6.5	1.75:1	1.85:1	1.50:1	1.60:1	30	1
8DF-25D00	10-40	16	14	6.0	6.4	0.65	7.5	1.90:1	2.1:1	1.70:1	1.80:1	20	1

Note 1. Input power rate is at the condition when all the outputs are connected to the loads with 1:25:1 or better VSWR at any phase difference. Higher power rate is available on request.

Note 2. Standard connectors are SMA for frequency up to 18 GHz, super SMA for frequency up to 27 GHz and 2.92 mm for frequency up to 40 GHz. Other connector options are available on request.



Outline	
Figure	A (inch)
1	1.4
2	1.8
3	2.2
4	2.7
5	3.7
6	8.0