



4-Way Octave-Band Power Dividers/Combiners

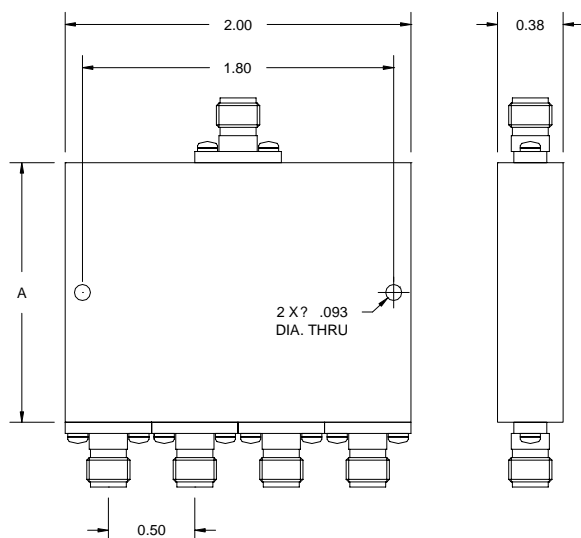
FEATURES

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

SPECIFICATIONS

4-Way Octave-Band Power Dividers/Combiners													
Model Number	Freq (GHz)	Isolation (dB)		Insertion Loss (dB)		Amplitude Balance (dB rms) (Max)	Phase Balance (° rms) (Max)	VSWR				Input Power (Watt)	Outline Figure
		Typ	Min	Typ	Max			Input		Output			
								Typ	Max	Typ	Max		
4DE-0D75	0.5-1.0	24	22	0.4	0.6	0.1	1.5	1.25:1	1.30:1	1.15:1	1.20:1	20	6
4DE-1D20	0.8-1.6	24	22	0.5	0.7	0.1	1.5	1.25:1	1.30:1	1.15:1	1.20:1	20	5
4DE-1D50	1.0-2.0	24	22	0.5	0.7	0.1	1.5	1.25:1	1.30:1	1.15:1	1.20:1	20	5
4DE-2D25	1.5-3.0	23	21	0.6	0.8	0.15	1.5	1.25:1	1.35:1	1.20:1	1.30:1	20	4
4DE-3D00	2-4	22	20	0.6	0.8	0.15	2	1.30:1	1.35:1	1.25:1	1.35:1	20	4
4DE-4D50	3-6	22	20	0.7	0.9	0.15	2	1.30:1	1.35:1	1.25:1	1.35:1	20	4
4DE-6D00	4-8	20	18	1.0	1.2	0.15	2	1.30:1	1.40:1	1.25:1	1.35:1	20	3
4DE-9D00	6-12	20	18	1.0	1.2	0.2	3	1.35:1	1.45:1	1.30:1	1.35:1	20	2
4DE-12D00	8-16	20	18	1.2	1.4	0.2	4	1.35:1	1.45:1	1.30:1	1.35:1	20	2
4DE-18D00	12-24	19	17	1.5	1.7	0.3	4.5	1.40:1	1.50:1	1.35:1	1.45:1	10	2
4DE-24D00	16-32	18	16	1.8	2.0	0.3	5.5	1.45:1	1.55:1	1.35:1	1.45:1	10	1
4DE-27D00	18-36	17	15	2.2	2.4	0.4	6	1.50:1	1.60:1	1.35:1	1.45:1	10	1
4DE-30D00	20-40	15	13	2.6	2.8	0.4	7	1.60:1	1.70:1	1.40:1	1.50:1	10	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, supper 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	1.0
2	1.2
3	1.5
4	2.4
5	2.8
6	4.8