



3 dB 180° Multi-Octave Band Hybrid Couplers

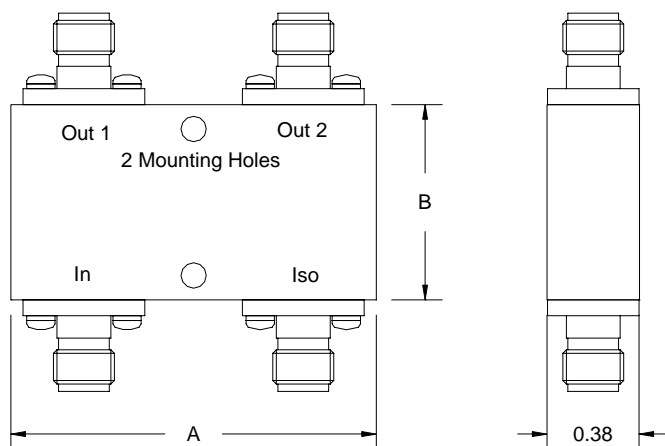
FEATURES

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

SPECIFICATIONS

3 dB 180° Multi-Octave Band Hybrid Couplers							
Model Number	Frequency Range (GHz)	Phase Balance (±deg)	Frequency Flatness (±dB)	Isolation (dB)	VSWR	Insertion Loss (dB)	Outline Figure
DS-1D50	0.8-2.2	5	0.4	23	1.25:1	0.50	6
DS-2D00	1-3	6	0.4	22	1.25:1	0.60	5
DS-4D00	2-6	7	0.6	20	1.30:1	0.60	4
DS-7D50	3-12	8	0.8	17	1.35:1	0.70	3
DS-12D00	6-18	10	1.0	15	1.50:1	1.00	2
DS-18D25	10-26.5	12	1.0	15	1.50:1	1.20	1

Note 1. Other frequency band modules are available on request.



Outline		
Figure	A (inch)	B (inch)
1	1.2	1.0
2	1.5	1.2
3	1.8	1.5
4	2.8	1.8
5	4.8	2.0
6	6.0	2.0