

Directional Couplers Multi-Octave

2025 Series

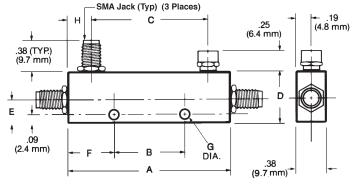
Features

• Flat Frequency Response • Frequency Range: 0.5-18 GHz

Multi-Octave Bandwidths

• Temperature Range: -54 to +125°C

Meets MIL-E-5400 Environments



NOTE: All dimensions are \pm .020, except mounting hole diameters (\pm .005) and mounting hole location (\pm .010).

Specifications

PART NO.	CASE STYLE	FREQUENCY RANGE (GHz)	COUPLING (INCLUDES FREQUENCY SENSITIVITY) (dB) COUPLING FREQUENCY SENSITIVI (dB)	FREQUENCY	INSERTION LOSS max. (dB)	DIRECTIVITY min. (dB)	VSWR (max.)		POWER (INPUT PORT)			
				SENSITIVITY			PRI. LINE	SEC. LINE	AVG. IN. (W)	AVG. REFL. (W)	PK. (kW)	
2025-6001-06	1		6 ±1	±0.4	0.4	18	1.15	1.15	50	4	4]
2025-6002-10	1		10 ±1	±0.4	0.3 5	18	1.15	1.15	50	10	4	IMPROVED
2025-6003-16	1	.50-2.0	16 ±1*	±0.4	0.3	22	1.15	1.15	50	40	4	
2025-6004-20	1		20 ±1	±0.4	0.3	22	1.15	1.15	50	50	4	IMPROVED
2025-6005-06	2	1.0-4.0	6 ± 1	±0.4	0.35	18	1.20	1.20	50	4	4]
2025-6006-10	2		10 ±1	±0.4	0.3	18	1.20	1.20	50	10	4]
2025-6007-16	2		16 ±1*	±0.4	0.3	22	1.20	1.20	50	40	4	IMPROVED
2025-6008-20	2		20 ±1	±0.4	0.3	22	1.20	1.20	50	50	4	IMPROVED
2025-6009-06	3		6 ±1	±0.3	0.4	18	1.25	1.25	50	4	4]
2025-6010-10	3	2.0-8.4	10 ±1	±0.3	0.35	18	1.25	1.25	50	10	4	
2025-6011-16	3		16 ±1*	±0.3	0.35	18	1.25	1.25	50	40	4	1
2025-6012-20	3		20 ±1	±0.3	0.35	20	1.25	1.25	50	50	4	1
2025-6013-06	4	4.0-12.4	6 ±1	±0.4	0.5	15	1.30	1.30	50	4	4	1
2025-6014-10	4		10 ±1	±0.4	0.5	15	1.30	1.30	50	10	4	1
2025-6015-16	4		16 ±1*	±0.4	0.5	15	1.30	1.30	50	40	4	1
2025-6016-20	4		20 ±1	±0.4	0.5	15	1.30	1.30	50	50	4	1
2025-6017-06	5	6.0-18.0	6 ±1	±0.4	0.7	15	1.40	1.40	50	4	2_	1
2025-6018-10	5		10 ±1	±0.4	0.6	16	1.40	1.40	50	10	2	1
2025-6019-16	5		16 ±1*	±0.4	0.6	16	1.40	1.40	50	40	2	1
2025-6020-20	5		20 ±1	±0.4	0.6	15	1.40	1.40	50	50	2]

^{*}Reference to output port for use as leveling coupler.

Mechanical Specifications

CASE STYLE	SIZE, INCHES (mm)								WEIGHT	
	A	В	С	D	E	F	G	н	oz.	9
1	4.92 (125)	3.5 (89)	4.42 (112)	.60 (15.2)	.27 (6.73)	.71 (18.1)	.143 (3.63)	.25 (6.4)	2.10	58.8
2	2.66 (67.6)	1.48 (37.6)	2.22 (56.4)	.60 (15.2)	.27 (6.73)	.59 (15)	.143 (3.63)	.22 (5.59)	1.26	35.3
3	1.99 (50.5)	.88 (22.2)	1.44 (36.6)	.63 (15.9)	.28 (7.11)	.56 (14.2)	.143 (3.63)	.28 (7.06)	1.05	29.4
4	1.21 (30.7)	.38 (9.7)	.69 (17.6)	.60 (15.2)	.22 (5.56)	.42 (10.6)	.104 (2.64)	.26 (6.55)	0.74	20.7
5	1.16 (29.5)	.50 (12.7)	.65 (16.5)	.57 (14.4)	.25 (6.35)	.33 (8.33)	.104 (2.64)	.25 (6.45)	0.69	19.3

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