

Couplers

Adapters Attenuators **Couplers** DC Blocks Detectors Isolators & Circulators Phase Shifters Power Dividers and Hybrids Terminations (50 Ohm Loads) Waveguide

Type N (F) and SMA (F) 0.5 to 18 GHz 20 Watt (Broadband)



Features

- Flat Frequency Response
- Small Size and Lightweight
- Very Low, Fine Grain Ripple
- Designed for MIL Environments

Models

- 4226-10, 4226-20

Model	4226-10	4226-20
Nominal Coupling (dB)	10	20
Directivity dB (0.5-12.4)	15	15
Directivity dB (12.4-18)	12	12
Insertion Loss, Coupled Power Excluded (dB)	0.85	0.85
Insertion Loss True (max)	1.5	0.9
VSWR Maximum for Primary Line	1.5	1.5
VSWR Maximum for Secondary Line	1.5	1.5
Frequency Sensitivity (dB Max)	+/- 1.0	+/- 1.0
Maximum Deviation from Nominal (dB)	+/- 1.0	+/- 1.0
Average Power (W)	20	20
Peak Power (kW)	3	3
Connector	SMA	SMA
Maximum Weight (gr)	97	97
Maximum Weight (oz)	3.4	3.4
Special Notes:	A , B	A , B

Special Notes:

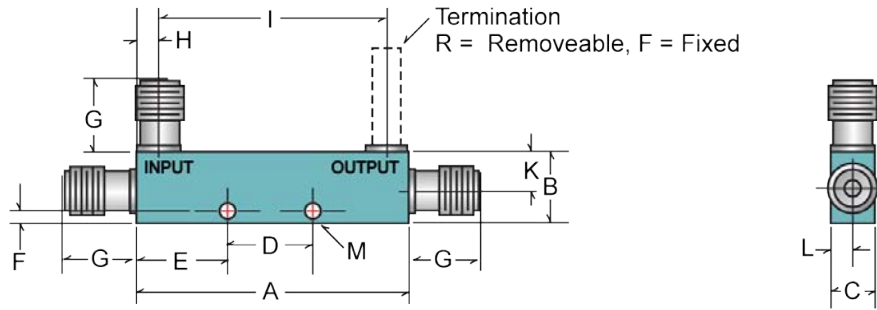
A: 4226 Series coupling excludes frequency sensitivity from coupling variation specification.

B: Nominal Coupling is referenced to the output port.

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Outline Drawings For Models : 4226-10, 4226-20

Units	A	B	C	D	E	F	G	H	I	K	L	M (dia.)	Connector	Termination
4226-10 , 4226-20														
in.	4.44	0.77	0.57	2.906	0.77	0.38	0.38	0.27	3.90	0.50	0.28	Tap-1	SMA	R
mm	112.78	19.56	14.48	73.812	19.56	9.65	9.65	6.86	99.06	12.70	7.11			

Notes:

Dimensions are maximum unless otherwise noted and allow for 0.020" paint buildup per surface.

Dimension:

D: +/- 0.015

I: +/- 0.020

Tap 1: 4-44- NC 2B Tapped Holes 1/8 DP Both Sides.