

# Couplers

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

## Type N and 7mm 1 to 18 GHz 5 Watt 13dB (Broadband High Directivity)



### Features

- Broadband Frequency Coverage from 1 to 18 GHz in a Single Unit
- High Directivity
- Increased Dynamic Range
- Flat Frequency Response

### Models

- 3292-1, 3292-2, 5292

Model	3292-1	3292-2	5292
Low Frequency (GHz)	1.0	1.0	1.0
High Frequency (GHz)	18.0	18.0	18.0
Nominal Coupling dB (1.5-18 GHz)	13 (+/- 1)*	13 (+/- 1)*	13 (+/- 1)*
Directivity dB (1-8)	27	27	28
Directivity dB (8-18)	25	25	26
VSWR Maximum for Primary Line	1.35	1.35	1.30
VSWR Maximum for Secondary Line	1.40	1.40	1.30
Frequency Sensitivity dB (max) 1-1.5	4	4	4
Frequency Sensitivity dB (max) 1.5-18	+/- 1.5	+/- 1.5	+/- 1.5
Connectors (Primary Line Input)	Type N Male	Type N Female	Precision 7 mm
Connectors (Primary Line Output)	Type N Female	Type N Male	Precision 7 mm
Options Available	-02	-02	-01/-02
Maximum Weight (oz)	12	12	12
Maximum Weight (gr)	340	340	340
Special Notes:	A, B, C, D, E	A, B, C, D, E	A, B, C, D, E

#### Special Notes:

**A:** \*Refer to Typical Coupling Curve on next page for frequency range 1-1.5 GHz.

**B:** Nominal Coupling is defined as average coupling over the designated frequency range (MAX. COUPLING + MIN. COUPLING)÷2

**C:** Standard Version (all models) has N Female, Coupled-Output Port.

All units are available on a Custom-Order basis. Minimum quantities may apply.

**D: OPTIONS:**

-01 Precision Stainless Steel Type N Female Connector on the secondary line.

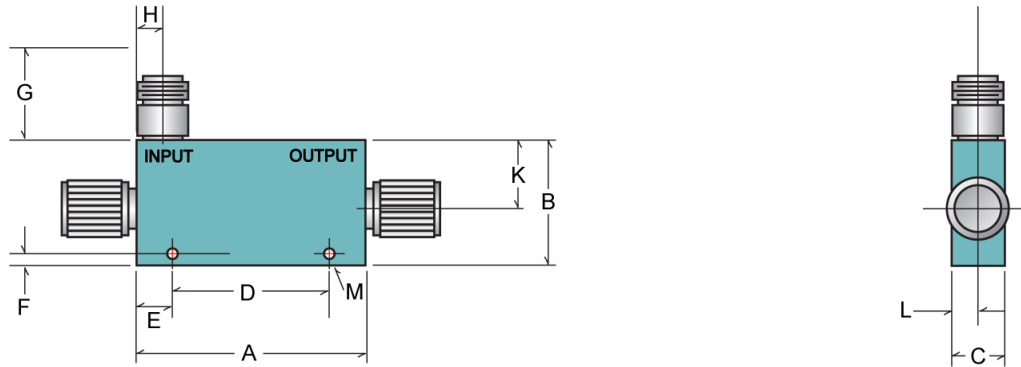
-02 Precision Stainless Steel SMA Female Connector on the secondary line.

**E: POWER RATING:** 5 W average, 100 W peak.

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Outline Drawings For Models : 3292-1, 3292-2, 5292

Units	A	B	C	D	E	F	G	H	K	L	M (Dia.)
<b>3292-1, 3292-2, 5292</b>											
in.	3.19	1.79	0.76	2.25	0.47	0.19	1.59	0.38	0.99	0.38	Tap-1
mm	81.03	45.47	19.30	57.15	11.94	4.83	40.39	9.65	25.15	9.65	

**Notes:**

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

Dimension D: +/-0.015"

Tap-1: #8-32 NC-2B Tapped Hole

