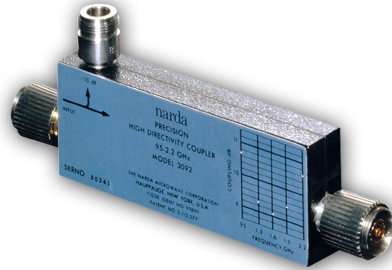


# Couplers

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

## 7 mm/Type N 0.95 to 18 GHz Precision High Directivity 5 Watt 10dB



### Features

- Exceptionally High Directivity
- Extended Octaves
- Precision Connectors
- Increased Dynamic Range
- Allows Swept Measurements with High Accuracy

### Models

- 3092, 3093, 3094, 3095, 3096

Model	3092	3093	3094	3095	3096
Low Frequency (GHz)	0.95	1.7	3.7	7.0	7.0
High Frequency (GHz)	2.2	4.2	8.3	12.4	18.0
Nominal Coupling (dB)	10	10	10	10	10
Minimum Directivity (dB)	45	42	37	33	25
VSWR Primary Line power	1.10	1.10	1.20	1.20	1.25
VSWR Maximum for Secondary Line	1.10	1.10	1.20	1.25	1.30
Absolute Calibration Accuracy dB	+/- 0.1	+/- 0.1	+/- 0.1	+/- 0.1	+/- 0.1
Power in W (AVG. dB)	5*	5*	5*	5*	5*
Maximum Weight (oz)	13	11	20	14	15
Maximum Weight (gr)	369	312	567	397	425
Special Notes:	A, B, C	A, B, C	A, B, C	A, B, C	A, B, C

#### Special Notes:

**A:** Primary input and output connectors are 7 mm.

Secondary line connectors are Type N female.

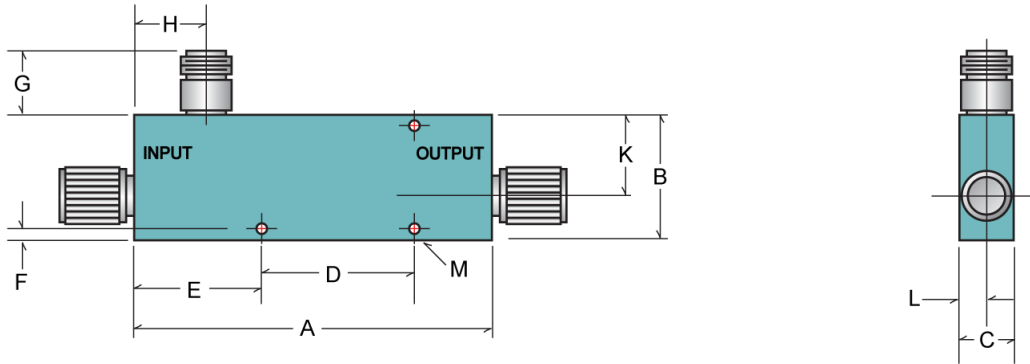
**B:** \*Power rating of 5 watts into an open circuited load (VSWR = infinite)

**C:** NOTE: All units are available on a Custom-Order basis. Minimum quantities may apply.

# Couplers

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

## 7 mm/Type N 0.95 to 18 GHz Precision High Directivity 5 Watt 10dB



Outline Drawings For Models : 3092, 3093, 3094, 3095, 3096

Units	A	B	C	D	E	F	G	H	K	L	M (Dia.)
<b>3092</b>											
in.	4.69	1.76	0.76	3.00	0.51	0.2	0.76	0.76	1.12	0.38	Tap-1
mm	119.13	44.70	19.30	76.20	12.95	5.1	19.30	19.30	28.45	9.65	
<b>3093 , 3094</b>											
in.	7.58	1.76	0.76	5.00	0.89	0.20	0.76	0.76	1.12	0.38	Tap-1
mm	192.53	44.70	19.30	127.00	22.61	5.08	19.30	19.30	28.45	9.65	
<b>3095</b>											
in.	5.05	1.40	0.88	3.00	0.89	0.20	0.76	0.63	0.81	0.44	Tap-1
mm	128.27	35.56	22.35	76.20	22.61	5.08	19.30	16.00	20.57	11.18	
<b>3096</b>											
in.	5.24	1.51	0.88	3.732	0.76	0.22	0.76	0.91	0.81	0.44	Tap-1
mm	133.10	38.35	22.35	94.793	19.30	5.59	19.30	23.11	20.57	11.18	

**Notes:**

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

Dimension:

D: +/-0.015"

N: +/-0.015"

Tap-1: #6-32 NC-2B TH'D x 3/8 DP (Far Side).