

1-18 GHz

# **Broadband High Directivity Couplers**

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

### **Specifications**

Type N and 7 mm, 1 to 18 GHz, 5 W

FREQUENCY RANGE (GHz)	MODEL	NOMINAL COUPLING* (dB)	DIRECTIVITY (dB min.)		VSWR		FREQUENCY SENSITIVITY (dB max.)		CONNECTORS		TRUE INSERTION	OPTIONS	WEIGHT (max.)	
		1.5-18 GHz	1-8 GHz	8-18 GHz	PRIMARY LINE (max.)	SECONDARY LINE (max.)	1-1.5 GHz	1.5-18 GHz	PRIMARY Line Input	PRIMARY LINE OUTPUT	LOSS (dB max.)	AVAILABLE	OZ.	gr.
1-18	3292-1	13 ±1	27	25	1.35	1.40	±2	±1.5	Type N Male	Type N Female	1.0	-02	12	340
	3292-2	13 ±1	27	25	1.35	1.40	±2	±1.5	Type N Female	Type N Male	1.0	-02	12	340
	5292	13 ±1	28	26	1.35	1.40	±2	±1.5	Precision 7 mm	Precision 7 mm	1.0	-01 -02	12	340

<sup>\*</sup> Nominal Coupling is defined as average coupling over the designated frequency range

$$\left(\begin{array}{c} C_{\text{max.}} + C_{\text{min.}} \\ 2 \end{array}\right)$$

Refer to Typical Coupling Curve on page 100 for 1-1.5 GHz.

#### NOTES:

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

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

#### **OPTIONS:**

- -01 Precision Stainless Steel Type N Female Connector on the secondary line (Example: 3292-1-01).
- -02 Precision Stainless Steel SMA Female Connector on the secondary line (Example: 3292-1-02).

#### POWER RATING:

5 W average, 100 W peak



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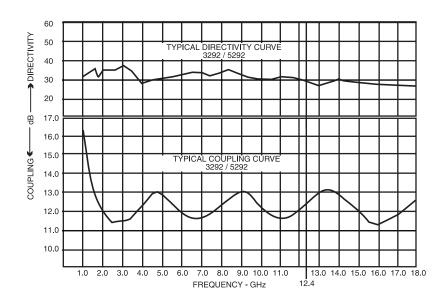
**Integrated Microwave** 

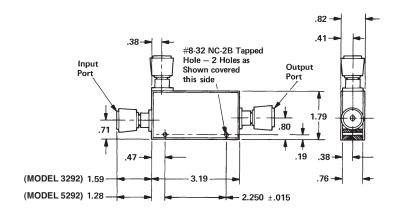
Assemblies (IMAs)

Introduction

# Couplers

## **Outline Drawings**





MODELS 3292, 5292

Dimensions in inches, unless otherwise specified.



