

Millimeter Wave Couplers

1-40 GHz

Millimeter Wave Ultra-Broadband Directional Couplers

- Low Frequency Sensitivity
- High Directivity
- 2.92 mm Connectors

Applications

- EW Systems
- Radar
- Millimeter Wave Communications
- OEM Test Equipment



Specifications

2.92 mm (F), 1 to 40 GHz, 20 W

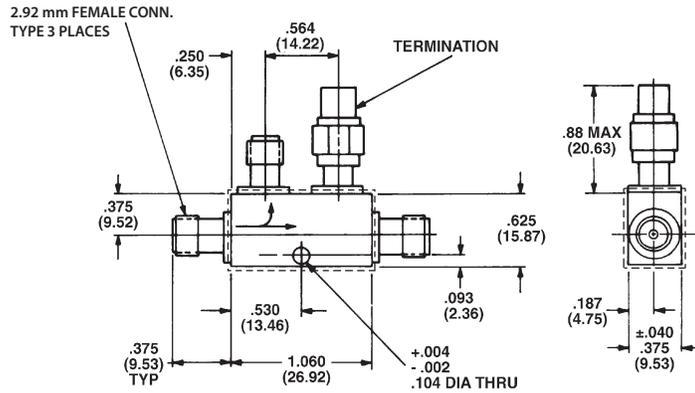
FREQUENCY RANGE (GHz)	MODEL	COUPLING (dB)	BAND SEGMENTS (GHz)	DIRECTIVITY (dB)	INSERTION LOSS TRUE (dB)	VSWR		FREQUENCY SENSITIVITY (dB max.)	POWER		WEIGHT (max.)	
						PRIMARY LINE (max.)	SECONDARY LINE (max.)		AVG. (W)	PEAK (kW)	oz.	gr.
18-40	4018-10	10 ±1.25	18-40	12	2.0	1.9	1.9	±0.8	20	0.2	1	28
18-40	4018-20	20 ±1.25	18-40	12	1.45	1.9	1.9	±0.8	20	0.2	1	28
1-40	4229-10	10 ±1.50**	1-20	15	1.5	1.4	1.6	±1.0*	20	3	3.2	90
			20-26	13	2.0	1.6	1.7					
			26-40	12	2.4	1.7	1.75					

* Frequency Sensitivity included in coupling

** Referenced to output port

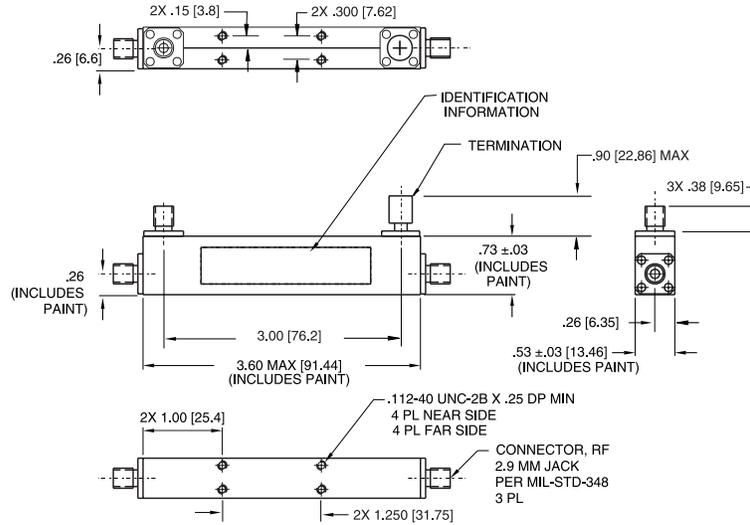
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Outline Drawings



Dotted area represents .020 max. build-up of sealant per surface.

MODEL 4018



Allow .020 max. build-up of sealant per surface.

TOL:
XX ±.02[.51]
XXX ±.010 [.25]

MODEL 4229-10

Dimensions in inches (mm in parentheses), unless otherwise specified.

