

ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

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Couplers

1.7-26.5 GHz

2.92 mm Connectors
Ultra-Broadband Couplers

- Low Return Loss
- Excellent Flatness
- Superior Directivity
- Designed for MIL Environments



Specifications

2.92 mm (F), 6 to 26.5 GHz, 20 W

FREQUENCY RANGE (GHz)	MODEL	COUPLING (dB)	DIRECTIVITY (dB min.)	INSERTION LOSS (dB)		VSWR		FREQUENCY SENSITIVITY (dB max.)	POWER		WEIGHT (max.)	
				EXCLUDING COUPLED POWER	TRUE	PRIMARY LINE (max.)	SECONDARY LINE (max.)		AVERAGE (W)	PEAK (kW)	oz.	gr.
6-26.5	4247B-10	10 ±1	12	0.9	1.5	1.5	1.5	±0.75	20	0.2	1.0	28
6-26.5	4247-20	20 ±1*	13	0.7	0.8	1.45	1.45	±0.8	20	0.2	1.0	28

2.92 mm (F), 18 to 26.5 GHz, 30 W

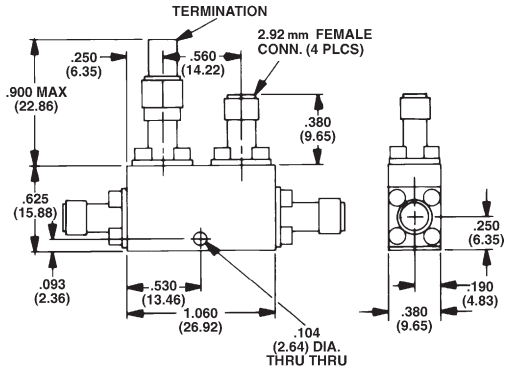
FREQUENCY RANGE (GHz)	MODEL	COUPLING (dB)	DIRECTIVITY (dB min.)	INSERTION LOSS (dB)		VSWR		FREQUENCY SENSITIVITY (dB max.)	POWER		WEIGHT (max.)	
				EXCLUDING COUPLED POWER	TRUE	PRIMARY LINE (max.)	SECONDARY LINE (max.)		AVERAGE (W)	PEAK (kW)	oz.	gr.
18-26.5	4017C-10	10 ±1	12	0.9	1.5	1.5	1.5	±0.75	30	0.2	1.0	28
18-26.5	4017-20	20 ±1*	13	0.7	0.8	1.45	1.45	±0.8	30	0.2	1.0	28

2.92 mm (F), 1.7 to 26.5 GHz, 20 W

FREQUENCY RANGE (GHz)	MODEL	COUPLING** (dB)	BAND SEGMENTS (GHz)	DIRECTIVITY (dB)	INSERTION LOSS (dB)		VSWR		FREQUENCY SENSITIVITY** (dB max.)	POWER		WEIGHT (max.)	
					EXCLUDING COUPLED POWER	TRUE	PRIMARY LINE (max.)	SECONDARY LINE (max.)		AVERAGE (W)	PEAK (kW)	oz.	gr.
1.7-26.5	4227-16	16 ±1*	1.7-12.4 12.4-18.0 18.0-26.5	15 12 12	0.6 0.8 1.2	0.7 0.9 1.3	1.45	1.45	±1.0 ‡	20	0.2	1.9	54

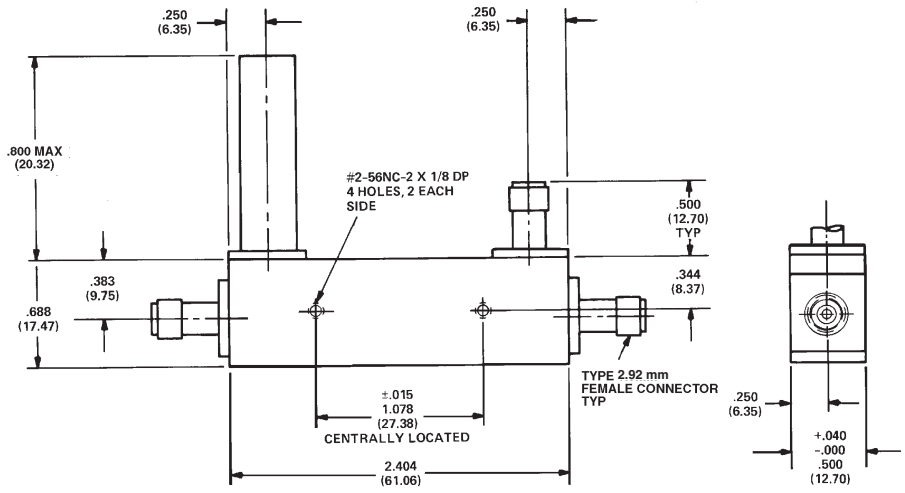
* Coupling is average value
** Referenced to output port
‡ Frequency sensitivity within 2-18 GHz band is ±0.5 dB

Outline Drawings



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

MODELS 4247B, 4247, 4017, 4017C



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

MODEL 4227-16

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

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

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Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

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