

Cellular / PCS Broadband Dual Directional Couplers

- **Broad Frequency Range from 800 to 4000 MHz**
- **Excellent Directivity Typically >30 dB and Low Loss**
- **Extremely Low IM Design**
- **Both 7/16 DIN and Type N Connector Models**
- **Ideal for Communication Laboratory Needs**

DESCRIPTION

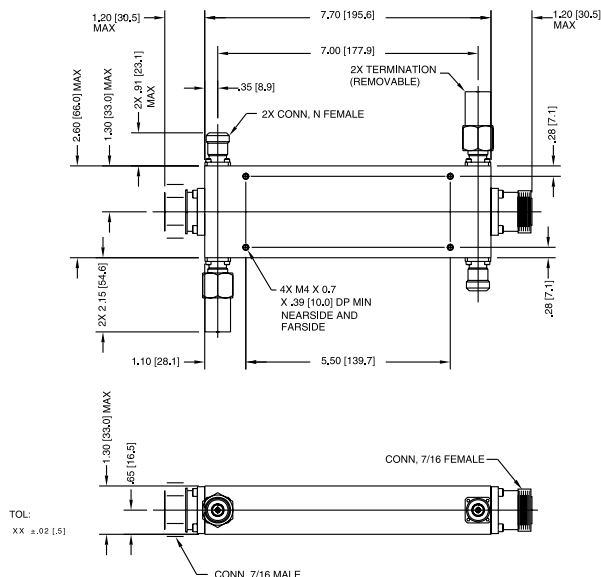
A unique broadband dual directional coupler offering superior performance based upon an extremely low loss airline design. The unit is ideal for evaluating multi-communication band performance and is suitable for

AMPs, EGSM, mobile satellite and PCS test requirements. Special techniques are applied to minimize IM products. Two models are available; one with type N connectors and another with 7/16 DIN.

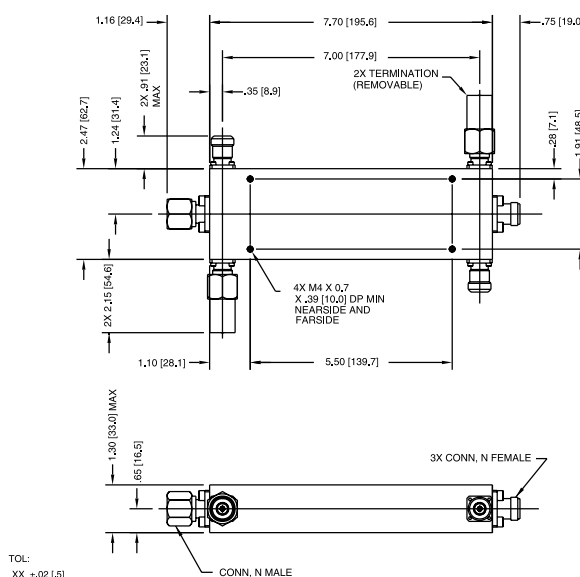
SPECIFICATIONS

FREQ RANGE (MHz)	MODEL NO.	NOMINAL COUPLING (dB)	DIRECTIVITY dB (Min)	INSERTION LOSS dB (Max)	VSWR		FREQ. SENSITIVITY dB (Max)	POWER		CONNECTORS		WEIGHT
					PRIMARY LINE (Max)	SECONDARY LINE (Max)		AVERAGE (Max)	PEAK (Max)	MAIN LINE	BRANCH LINE	Kg (Max)
800-4000	7282B-30	30 ±1.0	800 - 1000 MHz: 25 1000 - 2000 MHz: 20 2000 - 4000 MHz:16	0.20	1.10:1	1.35:1	±0.6	500W	10 kW	7/16	N	1.4
800-4000	3282B-30	30 ±1.0	800 - 1000 MHz: 25 1000 - 2000 MHz: 20 2000 - 4000 MHz: 16	0.20	1.10:1	1.35:1	±0.6	500W	10 kW	N	N	1.2

OUTLINE DRAWINGS



7282B-30



3282B-30