

# Model 10014-XX



## Directional Couplers "In-Line" Style

### Applications

- Subassemblies
- Lab Systems
- Leveling Loops
- Power Monitoring
- Test and Calibration



### Features

- Military Grade
- 0.5 - 1.0 GHz
- "In-Line" Configuration
- Connectors Per MIL-C-39012
- Rugged Aluminum Housing
- Built in Termination

### Electrical Specifications

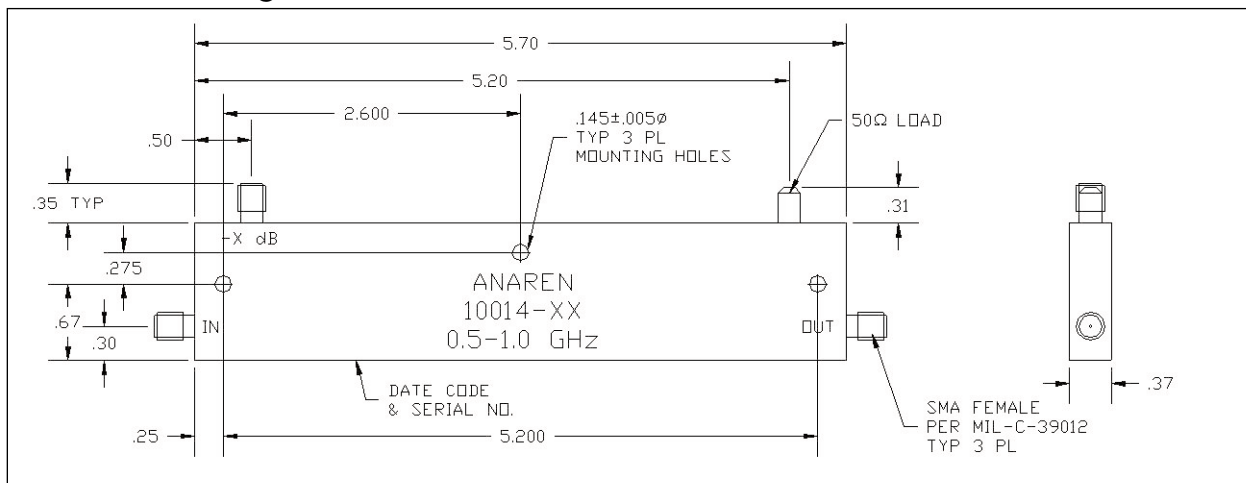
Model#	Frequency GHz	Coupling dB Mean	Insert. Loss dB Max	Input VSWR Max:1
10014-6	0.5 - 1.0	6.0 ± 0.5	0.25	1.2
10014-10	0.5 - 1.0	10.0 ± 0.5	0.25	1.2
10014-20	0.5 - 1.0	20.0 ± 1.0	0.25	1.2
10014-30	0.5 - 1.0	30.0 ± 1.5	0.25	1.2

Model #	Freq. Sems. dB Max	Directivity dB Min/Typ	Max CW Power*	
			Forward	Backward
10014-6	±0.75	20/25	20	2
10014-10	±0.80	20/25	50	5
10014-20	±0.80	17/22	100	50
10014-30	±0.80	15/20	100	100

**Notes: Electrical and Mechanical Specifications subject to change without notice.** Impedance: 50 ohms nominal. Meets MIL-E-5400 Class 3 requirements. Additional screening available for military and space applications. \*These power ratings apply when coupled port VSWR is 2.0:1 or less. Higher power can be handled with a lower VSWR termination. In general the Max CW Power is identical to 3 dB couplers when there is no internal termination or one supplied by Anaren. All models have SMA connectors.

### Outline Drawing



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