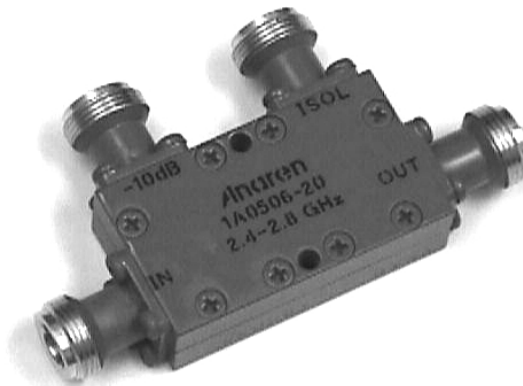


# Model 1A0506-XX



## Directional Couplers "In-Line" Style



### Applications

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

### Features

- Military Grade
- 2.4 - 2.8 GHz
- "In-Line" Configuration
- Connectors Per MIL-C-39012
- Rugged Aluminum Housing

### Electrical Specifications

Model#	Frequency GHz	Coupling dB Mean	Insert. Loss dB Max	Input VSWR Max:1
1A0506-10	2.4 - 2.8	10.0 ± 1.0	0.25	1.12
1A0506-20	2.4 - 2.8	20.0 ± 1.5	0.25	1.12
1A0506-30	2.4 - 2.8	30.0 ± 2.0	0.25	1.12

Model #	Freq. Sems. dB Max	Directivity dB Min	Max CW Power*	
			Forward	Backward
1A0506-10	±0.20	18	100	100
1A0506-20	±0.20	18	100	100
1A0506-30	±0.12	15	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 optional termination is supplied by Anaren and 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

