

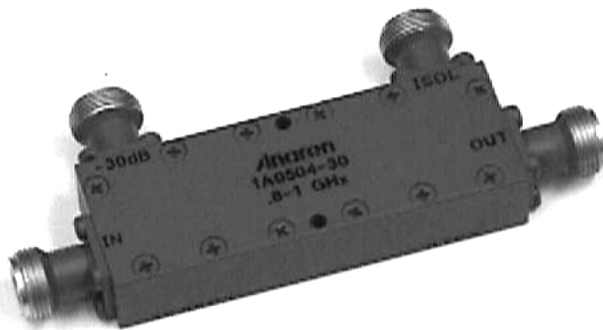
# Model 1A0504-XX



## Directional Couplers "In-Line" Style

### Applications

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



### Features

- Military Grade
- 0.8 - 1.0 GHz
- "In-Line" Configuration
- Connectors Per MIL-C-39012
- Rugged Aluminum Housing

### Electrical Specifications

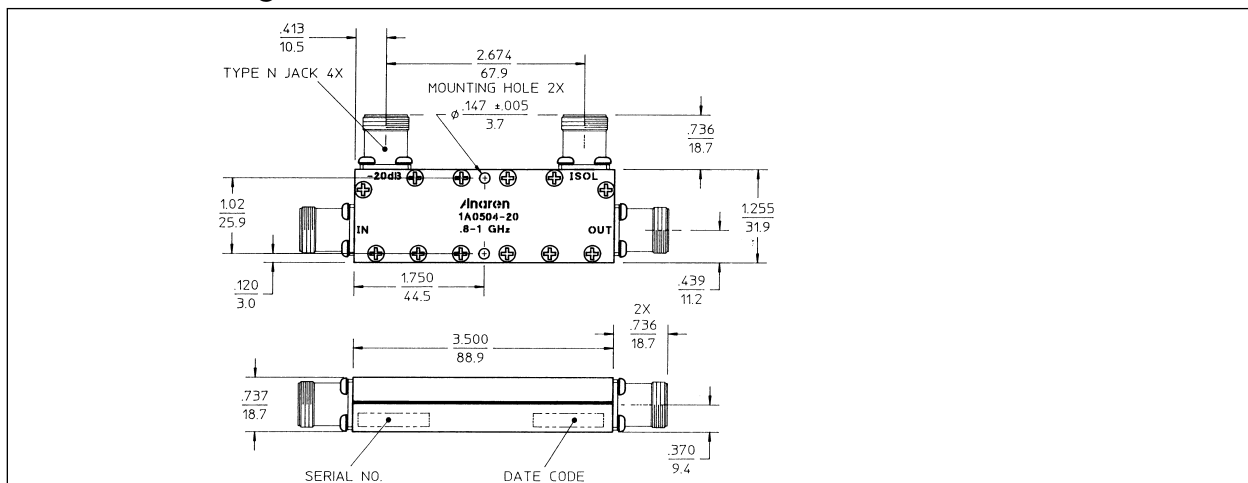
Model#	Frequency GHz	Coupling dB Mean	Insert. Loss		Input VSWR Max:1
			dB Max		
1A0504-10	0.8 - 1.0	10.0 ± 1.0	0.20		1.15
1A0504-20	0.8 - 1.0	20.0 ± 1.5	0.20		1.15
1A0504-30	0.8 - 1.0	30.0 ± 2.0	0.20		1.15

Model #	Freq. Sems. dB Max	Directivity dB Min	Max CW Power*	
			Forward	Backward
1A0504-10	±0.15	19	200	200
1A0504-20	±0.15	18	200	200
1A0504-30	±0.15	16	200	200

**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



**Sales Desk USA: Voice: (800) 544-2414 Fax: (315) 432-9121**  
**Sales Desk Europe: Voice: (+44) 23 92 232392 Fax: (+44) 23 92 251369**