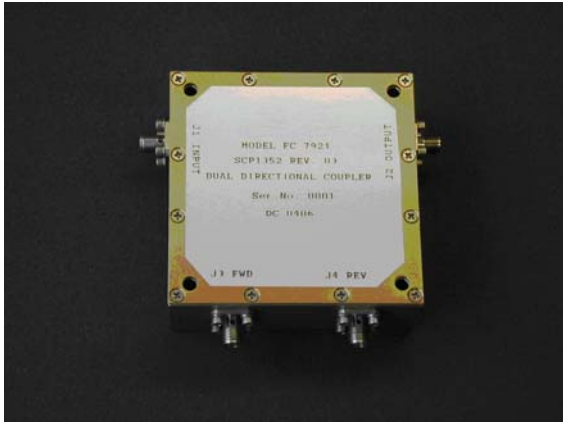


# PRODUCT SPECIFICATION

# 40 & 50 dB DUAL DIRECTIONAL COUPLERS WIDEBAND 20 - 2,500 MHz



## FC SERIES

Sage Laboratories, Inc. introduces a series of high power broadband Dual Directional Couplers to support emerging needs for electronic countermeasures systems. The couplers feature low insertion loss & power handling capability rated up to 200W (CW).

### FEATURES

- 40 & 50 dB Standard Coupling Value
- Electronic Countermeasures Bands
- 200W (CW) Power Handling Capability
- Robust Package Design
- VSWR 1.2:1 Max

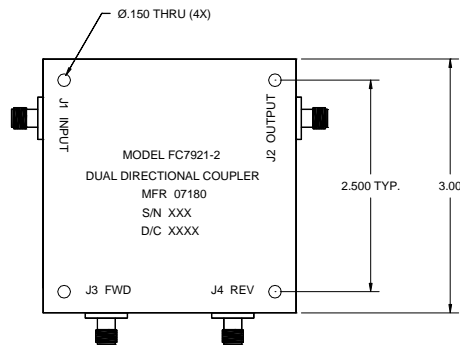
### SPECIFICATIONS

Frequency (MHz)	Coupling <sup>1</sup> (dB)	Flatness <sup>2</sup> (dB)	Return Loss min (dB)	Loss <sup>3</sup> max (dB)	Directivity min (dB)	Power Handling max CW (W)	Connector Type	Model Number
60 -1,000	40 ±2	± 0.4	21	0.2	20	200	SMA	FC7921-2
20-1,000	50±2	± 0.4	21	0.4	20	100	SMA	FC7921-3
570-2500	40 ±2	± 0.5	21	0.3	20	25	SMA	FC0525-1

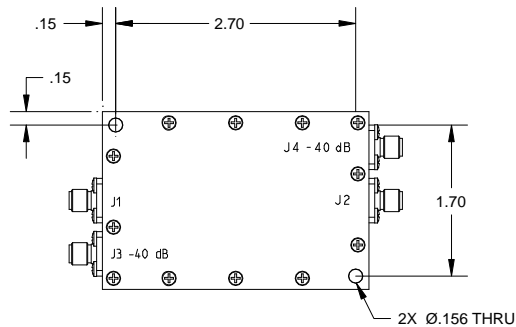
NOTES:

1. Flatness specifies the maximum coupling variation within the coupling range.
2. Loss is the actual dissipated and reflected loss. It does NOT include coupling loss.

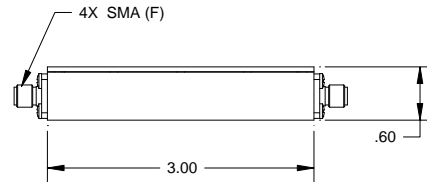
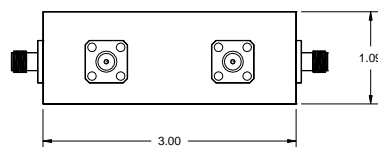
### OUTLINE DRAWINGS



FC7921-2 and 3



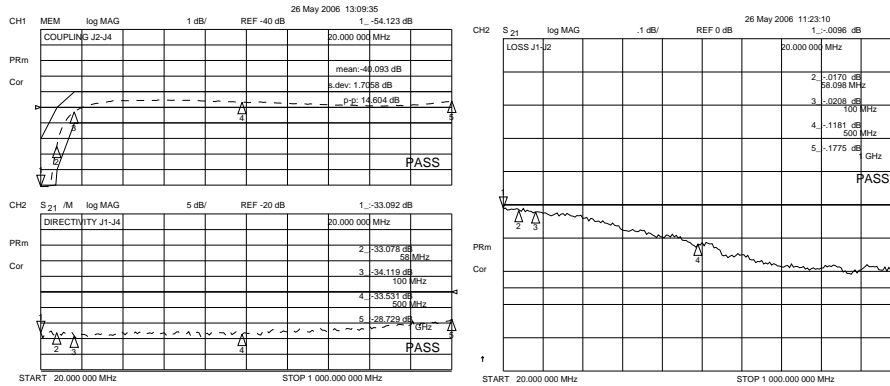
FC0525-1



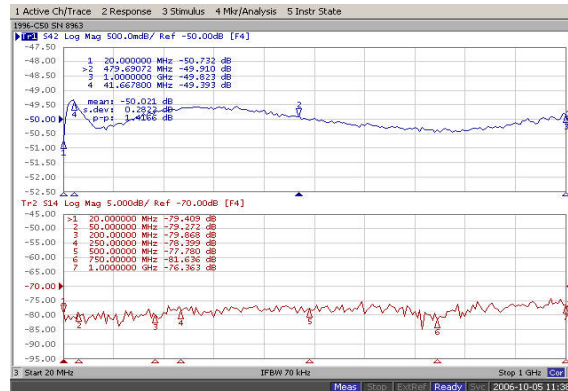
L A B O R A T O R I E S

## TYPICAL PERFORMANCE

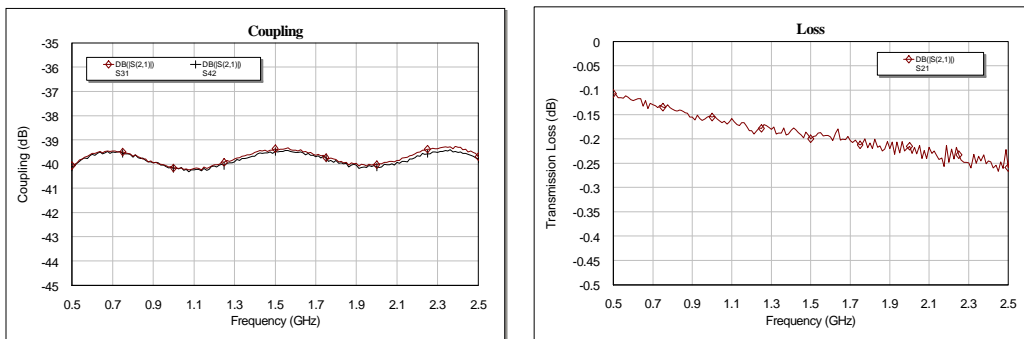
### FC7921-2



### FC7921-3



### FC0525-1:



### MISCELLANEOUS:

1. Sage Laboratories Inc. "Standard Warranty and Order Terms and Conditions" apply to all orders.
  2. All specifications subject to change without notice.
  3. Contact our local Manufacturers Representative for pricing.
- Specification Revision 110306

