

Directional Couplers

In-Line Style

Applications

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



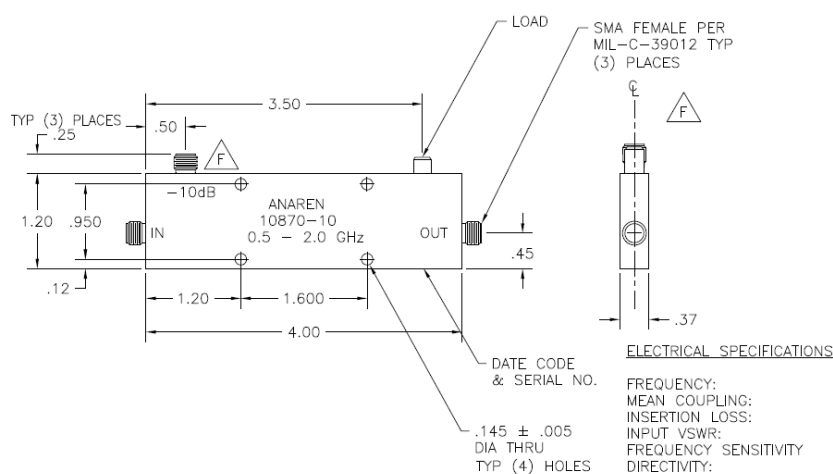
Features

- Military Grade
- 0.5 – 2.0 GHz
- In-Line Configuration
- Connectors Per MIL-C-39012
- Rugged Aluminum Housing
- Built in Termination

Outline Drawing

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 2.0:1.0 or less. Higher power can be handled with a lower VSWR termination. In general the Max CW Power is identical to 3dB couplers when there is no internal termination or one supplied by Anaren. All models have SMA connectors.



FREQUENCY:
MEAN COUPLING:
INSERTION LOSS:
INPUT VSWR:
FREQUENCY SENSITIVITY
DIRECTIVITY:
*MAXIMUM CW POWER:

.50 - 2.0 GHz
10.0 dB \pm 1.2 dB
.50 dB MAXIMUM
1.25:1.0 MAXIMUM
 \pm 1.2 dB MAXIMUM
17 dB MINIMUM
50 WATTS FORWARD
5 WATTS BACKWARD

*RATING WITH COUPLED PORT TERMINATED INTO A 2.0 : 1.0 VSWR MAXIMUM

COMPUTER GENERATED
DOCUMENT - MANUAL
CHANGES NOT ALLOWED

PART NO. 16128-G001

Anaren

ANAREN MICROWAVE INC.
EAST SYRACUSE, NEW YORK

DIRECTIONAL COUPLER

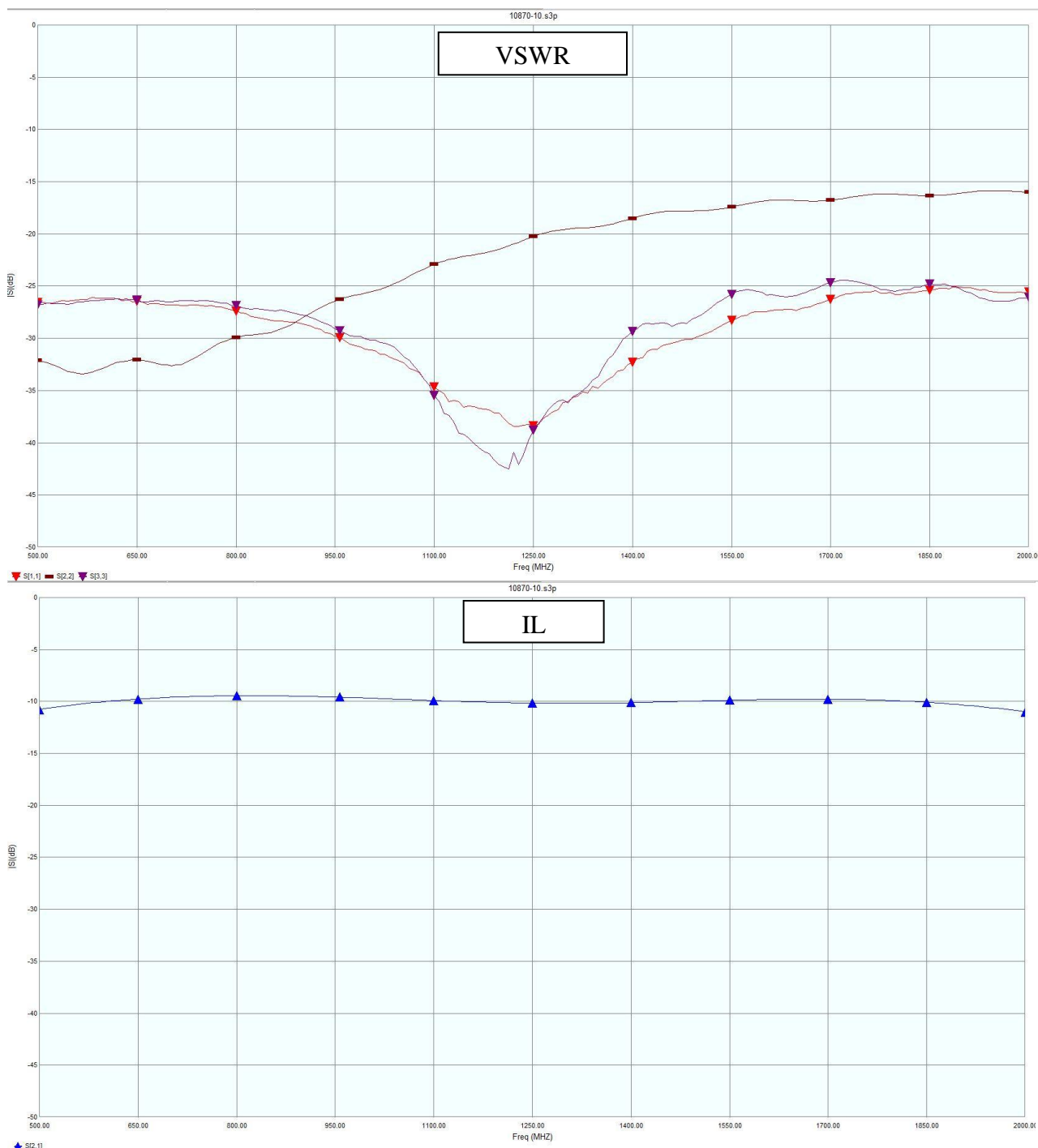
SIZE B	CAGE CODE 31597	DOC NO. 16128-G001
SCALE 1/1	DOC. CODE 3	REV E SHEET 1 OF 1



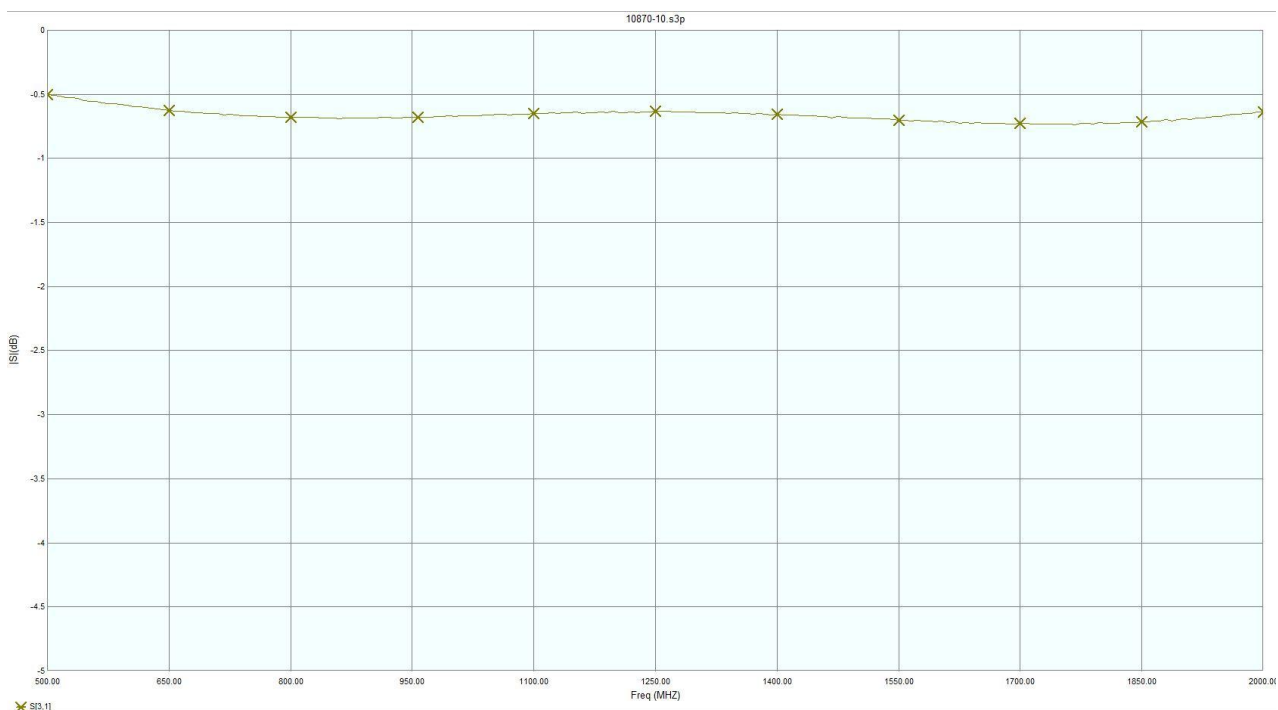
NOTES:

1. DIMENSIONS ARE IN INCHES AND (MILIMETERS)
2. MARKING SHALL BE IN ACCORDANCE WITH MIL-STD-130.
3. FINISH: EPOXY COATING PER MIL-C-22750,
COLOR CHIP 35180 (BLUE) PER FED-STD-595,
OVER EPOXY PRIMER PER MIL-P-23377.
4. WEIGHT: 7.8 OUNCES (221 GRAMS) MAXIMUM

Typical Test Data Plots



Coupling



Mouser Electronics

Authorized Distributor

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