Hybrid Couplers
3 dB, 90°

Applications

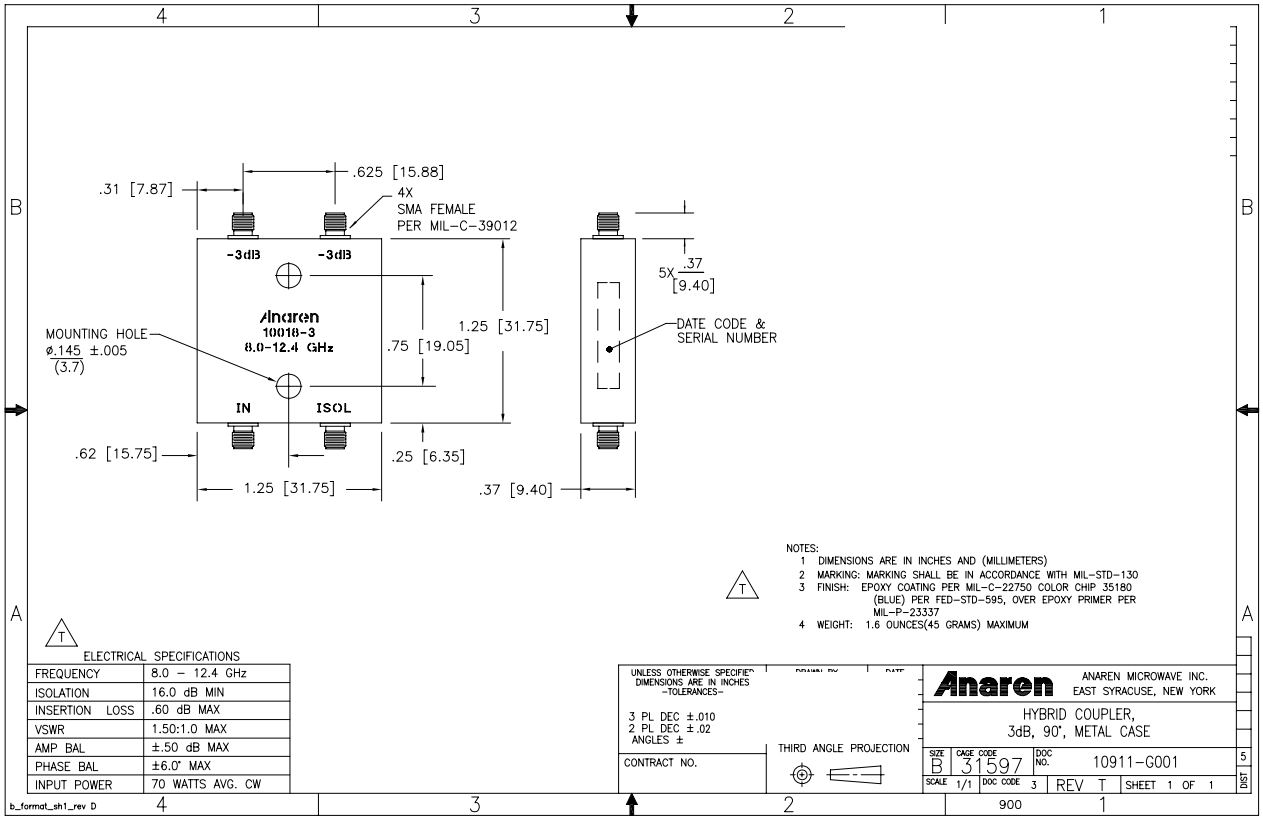
- Balanced Mixers
- Antenna Feed Networks
- Phasing Networks
- Dividers/Combiners

Features

- Military Grade
- 8.0 – 12.4 GHz
- 2–Way power Split
- Quadrature
- Connectors Per MIL-C-39012
- Rugged Aluminum Housing
- Low VSWR
- Meets MIL-E-5400 Class 3 Requirements

Outline Drawing

Electrical and Mechanical Specifications subject to change without notice.



NOTES:
1. DIMENSIONS ARE IN INCHES AND (MILLIMETERS)
2. MARKING: 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-23337
4. WEIGHT: 1.6 OUNCES(45 GRAMS) MAXIMUM

ELECTRICAL SPECIFICATIONS

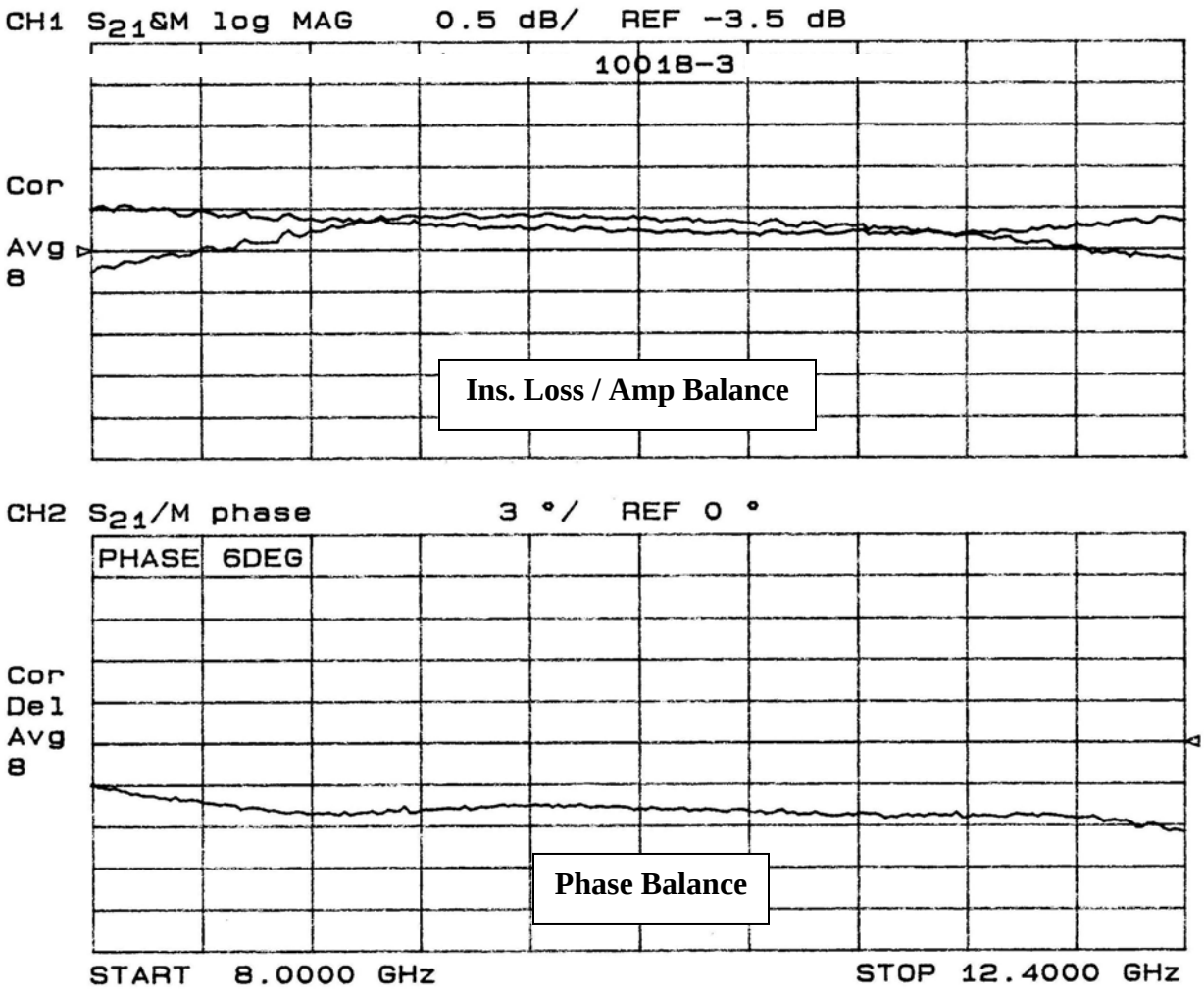
FREQUENCY	8.0 – 12.4 GHz
ISOLATION	16.0 dB MIN
INSERTION LOSS	.60 dB MAX
VSWR	1.50:1.0 MAX
AMP BAL	±.50 dB MAX
PHASE BAL	±6.0° MAX
INPUT POWER	70 WATTS AVG. CW

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES –TOLERANCES–
3 PL DEC ±.010
2 PL DEC ±.02
ANGLES ±
THIRD ANGLE PROJECTION
CONTRACT NO.

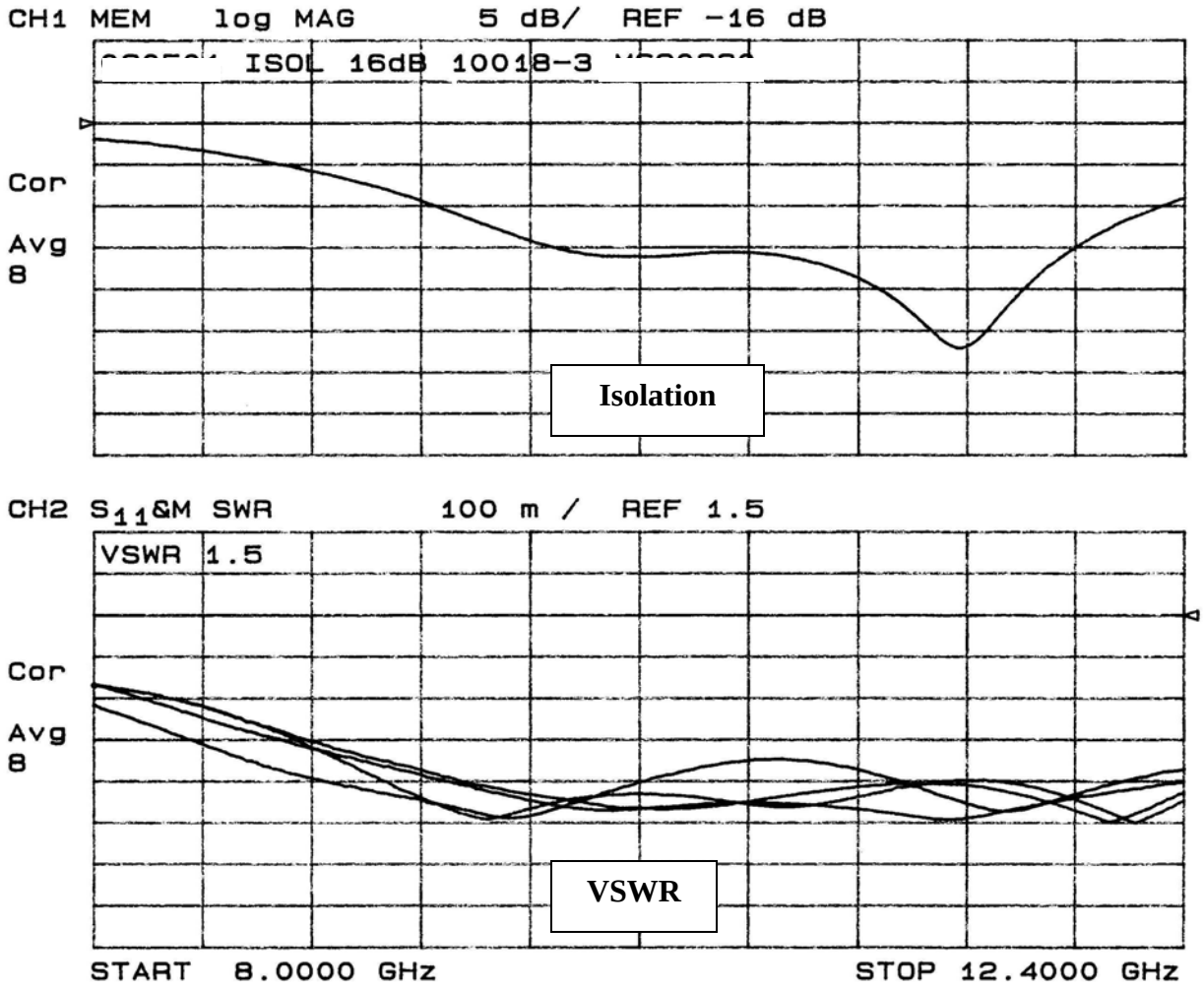
ANAREN MICROWAVE INC.
EAST SYRACUSE, NEW YORK
HYBRID COUPLER,
3dB, 90°, METAL CASE
SIZE B | CAGE CODE 31597 | DOC NO. 10911-G001 | REV T
SCALE 1/1 | DOC CODE 3 | SHEET 1 OF 1

b_format_sh1_rev D

Typical Test Data Plots



Typical Test Data Plots



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