

Excellent Integrated System Limited

Stocking Distributor

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[Anaren](#)
[10012-3](#)

For any questions, you can email us directly:
sales@integrated-circuit.com

Hybrid Couplers
3 dB, 90°

Applications

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

Features

- Military Grade
- 0.125 – 0.250 GHz
- 2-Way power Split
- Quadrature
- Connectors Per MIL-C-39012
- Rugged Aluminum Housing
- Low VSWR
- Meets MIL-E-5400 Class 3 Requirements, Except Operating Temperature as Stated Below in Note 4.



Outline Drawing

Electrical and Mechanical Specifications subject to change without notice.

REVISIONS (Δ DENOTES CHANGE)		
REV	DATE (YYMMDD)	UPDATED BY
N	091005	D.ROSE
P	140924	D.ROSE

NOTES

- 1 MARKING: MARKING SHALL BE IN ACCORDANCE WITH MIL-STD-130
- 2 FINISH: EPOXY COATING PER MIL-C-22750, COLOR CHIP 35180 (BLUE) PER FED-STD-595, OVER EPOXY PRIMER PER MIL-P-23377
- 3 WEIGHT: 5.8 OUNCES MAX
- 4 OPERATING TEMPERATURE 0DEG TO +85DEG C

SPECIFICATIONS	
ISOLATION	21dB MIN 30dB TYP
PHASE BAL.	±3.0° MAX
POWER	100W AVG. 5KW PEAK
VSWR	1.25:1 MAX
INSR LOSS	0.30dB MAX
AMPTD BAL	±0.50dB
FREQ	.125 - .250 GHz

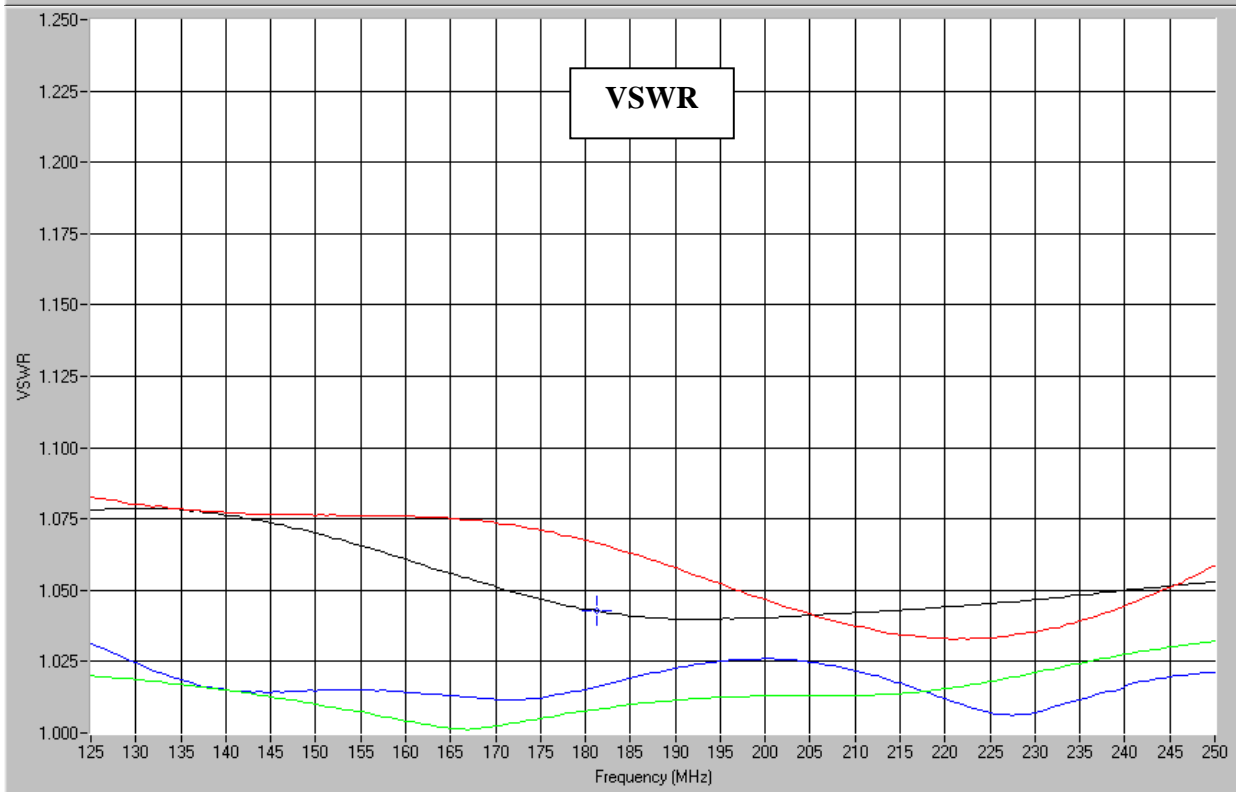
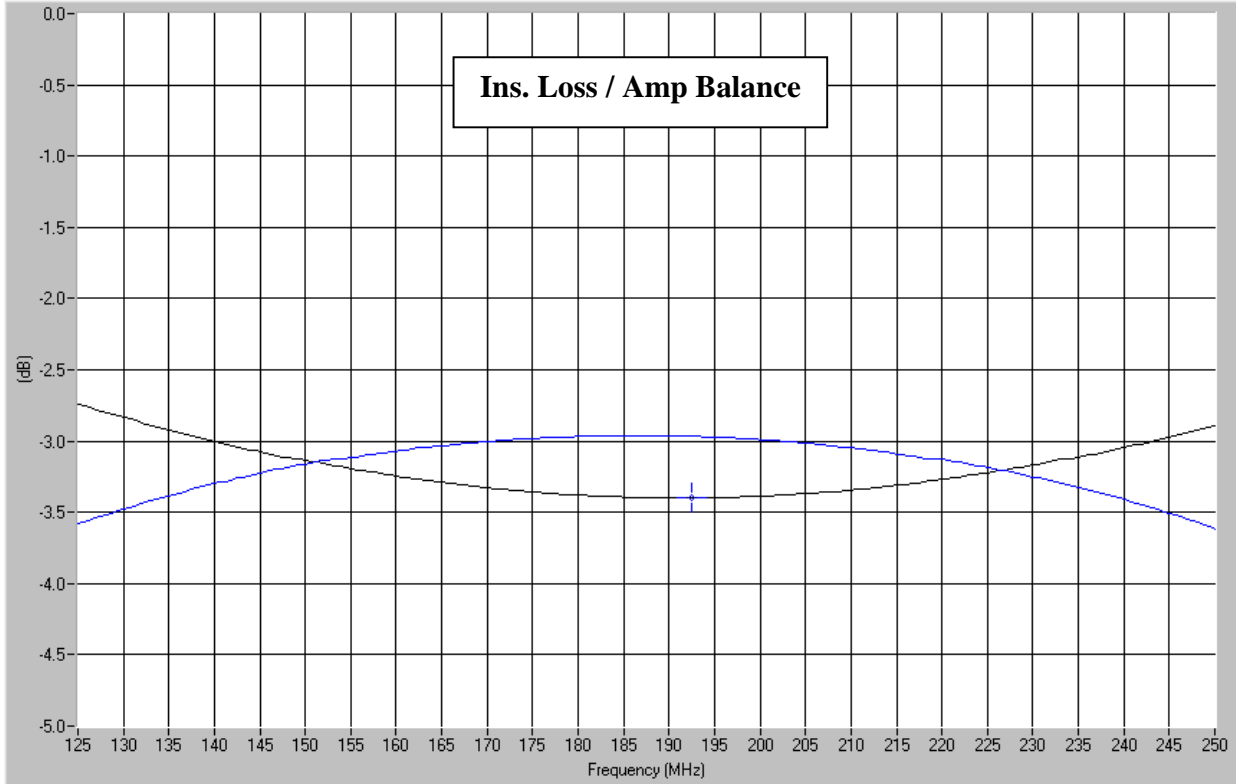
INTERFACE CONTROL DRAWING

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES -TOLERANCES-	DRAWN BY: W.E.RIBLET DATE (YYMMDD): 741213	Anaren ANAREN MICROWAVE INC. EAST SYRACUSE, NEW YORK
DESIGNER N/A	ENGINEER N/A	COUPLER, 3dB 90°
APPROVAL SIGNATURES ON FILE	THIRD ANGLE PROJECTION	SIZE: B SCALE: 1/1
CONTRACT NO.	DOC NO.: 12841-G001	REV: P SHEET 1 OF 1

Model 10012-3

Aluminum Cased Connectorized Components

Typical Test Data Plots



USA/Canada: (315) 432-8909
 Toll Free: (800) 411-6596
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