

# PRODUCT SPECIFICATION

# QUADRATURE HYBRID HIGH POWER, OCTAVE BAND, 3 dB



## TEMLINE™ SERIES

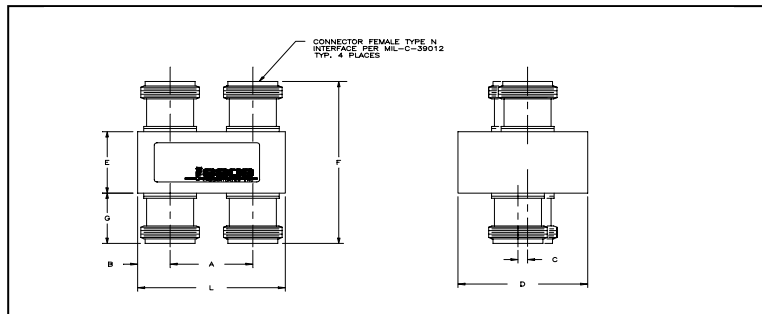
### SPECIFICATIONS

| Frequency Range (MHz) | Isolation min (dB) | VSWR max | Insertion Loss, max <sup>1</sup> (dB) | Model Number |
|-----------------------|--------------------|----------|---------------------------------------|--------------|
| 125-150               | 23                 | 1.20     | 0.1                                   | 749          |
| 250-500               | 20                 | 1.20     | 0.1                                   | 750          |
| 500-1000              | 20                 | 1.25     | 0.1                                   | 751          |
| 1000-2000             | 20                 | 1.25     | 0.1                                   | 752          |
| 2000-4000             | 20                 | 1.25     | 0.1                                   | 753          |

#### NOTES:

1. Maximum loss is the actual dissipative loss and reflective loss due to VSWR. It does not include coupling loss.
2. Unbalance is measured as the difference between the coupled and mainline output ports from the mean coupling at each frequency.

### OUTLINE DRAWING



#### NOTES:

B dimension for all models is .34" (0,86 cm)  
C dimension for all models is .10" (0,26 cm)  
D dimension for all models is 1.38 (3,51 cm)  
E dimension for all models is .88" (2,24 cm)  
F dimension for all models is 2.31" (5,87 cm)  
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G dimension for all models is .72" (1,83 cm)

| Model Number | Dimensions (See Drawing) |         |       |         | Weights |       |
|--------------|--------------------------|---------|-------|---------|---------|-------|
|              | A"                       | A (cm)  | L"    | L (cm)  | Ounces  | Grams |
| 749          | 11.00                    | (27,94) | 11.69 | (29,69) | 19      | 538   |
| 750          | 5.63                     | (14,30) | 6.31  | (16,03) | 13      | 368   |
| 751          | 2.78                     | (7,06)  | 3.47  | (8,81)  | 7       | 198   |
| 752          | 1.41                     | (3,58)  | 2.09  | (5,31)  | 5       | 142   |
| 753          | .81                      | (2,07)  | 1.50  | (3,81)  | 4       | 113   |

#### NOTES:

1. Spectrum Microwave "Standard Warranty and Order Terms and Conditions" apply to all orders.
2. All specifications subject to change without notice.
3. Check "Ordering and Availability Listing" for delivery and ordering information.
4. Contact our local Manufacturers Representative for pricing.

Specification Revision - 070710

