

# Model SA0033 75-Watt SatCom Diplexer LC Filter

## Electrical Specifications

### Center Frequency

Low Band Channel: 256MHz  
High Band Channel: 305MHz

### Passband @ 1dB

Low Band Channel: 242MHz to 270MHz  
High Band Channel: 292MHz to 318MHz

### Passband Insertion Loss

Low Band Channel:  $\leq 1$ dB  
High Band Channel:  $\leq 1$ dB

### Rejection

Low Band Channel  
 $\geq 40$ dB DC to 222MHz  
 $\geq 40$ dB 293MHz to 1200MHz  
High Band Channel  
 $\geq 40$ dB DC to 270MHz  
 $\geq 40$ dB 340MHz to 1200MHz

### Passband Return Loss

Low Band Channel:  $\geq 18$ dB  
High Band Channel:  $\geq 18$ dB

### Power Handling: $\geq 75$ -Watts CW

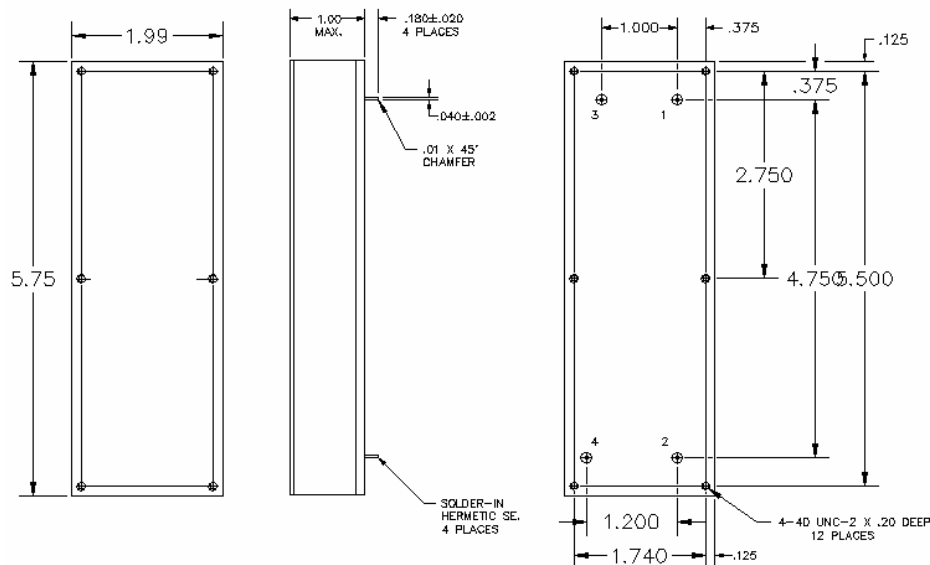
$Z_{IN}/Z_{OUT}$ : 50 $\Omega$  nominal

### Package

Dimensions: Per Drawing  
Weight:  $\leq 14$ -ounces

### Environmental

Temperature Range  
Operating:  $-40^{\circ}\text{C}$  to  $+90^{\circ}\text{C}$   
Storage:  $-45^{\circ}\text{C}$  to  $+100^{\circ}\text{C}$   
Shock & Vibration: Per MIL-STD-810, Land Mobile Environment



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