

## SCF-11302240-SFSF-BA

### Coaxial Bandpass Filter, 10.425 to 10.625 GHz, 40 dB Rejection

**SCF-11302240-SFSF-BA** is a coaxial bandpass filter with a passband frequency of 10.425 to 10.625 GHz. The maximum insertion loss of the bandpass filter is 1.0 dB. The rejection frequencies are 10.325 GHz or less and 10.725 or higher. The minimum rejection is 40 dB and the typical passband return loss of the filter is 18 dB. The RF connectors of the filter are SMA Female. Other configurations are available under different model numbers.



#### Electrical Specifications:

Parameter	Minimum	Typical	Maximum
Passband Frequency	10.425 GHz		10.625 GHz
Passband Insertion Loss			1.0 dB
Passband Ripple		±0.5 dB	
Rejection Frequency, Low Side	DC		10.325 GHz
Rejection, Low Side	40 dB		
Rejection Frequency, High Side	10.725 GHz		
Rejection, High Side	40 dB		
Passband Return Loss	17 dB	18 dB	
Impedance		50 Ω	
Power Handling			5 W (CW)
Specification Temperature		+25 °C	
Operating Temperature	-40 °C		+85 °C

#### Mechanical Specifications:

Item	Specification
RF Port 1	SMA Female
RF Port 2	SMA Female
Material	Aluminum
Finish	Black Paint
Length	7.3" (L) x 1.34" (W) x 0.72" (H), excluding connectors
Outline	CF-BX-JX3

#### ECCN

EAR99

#### FEATURES

- Low Insertion Loss
- High Rejection
- Steep Rejection Skirts
- Field Replaceable RF Connectors

#### APPLICATIONS

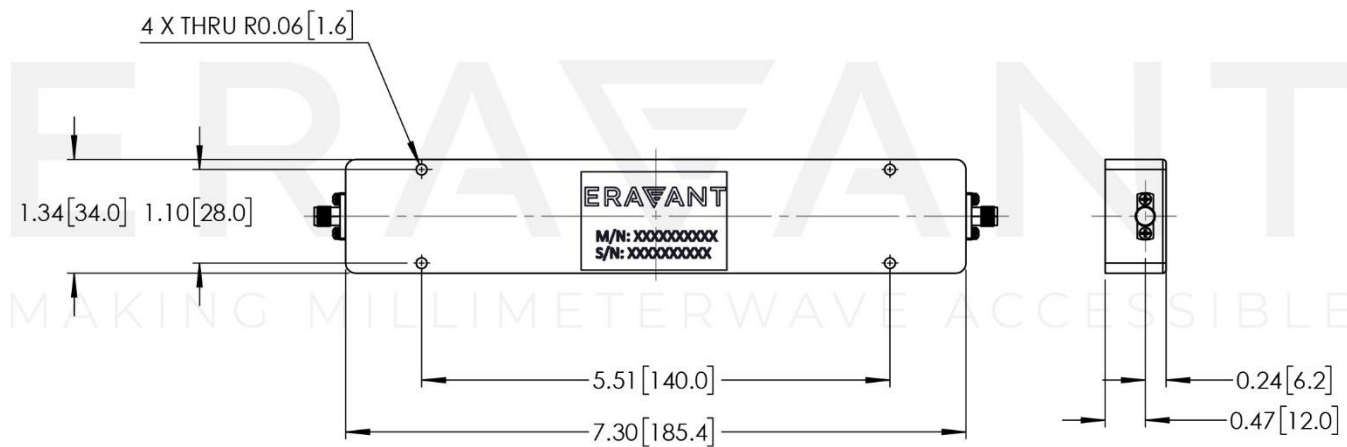
- Instrumentations
- Sub-assemblies
- System Integrations

#### SUPPLEMENTAL DETAILS



SCF-11302240-SFSF-BA

**Mechanical Outline:** (Unless otherwise specified, all dimensions are in inches [millimeters])



**NOTE:**

- All data presented is collected from a sample lot. Actual data may vary slightly from unit to unit.
- All testing is performed under +25 °C case temperature.
- Eravant reserves the right to change the information presented without notice.

**CAUTION:**

- Exceeding absolute maximum ratings shown will damage the device.
- Proper torque should be applied:  $8.0 \pm 0.15$  inch-pounds ( $0.90 \pm 0.02$  Nm). Torque wrench model SCH-08008-S1 is highly recommended.