SCF-28305240-KFKF-NA

Coaxial Band Stop Filter, 27.5 to 28 GHz, 40 dB Rejection

SCF-28305240-KFKF-NA is a coaxial band stop filter with passband frequencies from DC to 26 GHz and 29 to 40 GHz and a rejection frequency from 27.5 to 28 GHz. The filter provides a typical insertion loss of 3.0 dB across its passband and a rejection of 40 dB at this rejection band. The typical passband return loss of the filter is 9 dB. The RF connectors of the filter are 2.92 mm (K) Female connectors. The rejection frequency is customizable and other configurations are available under different model numbers.

Electrical Specifications:

Parameter	Minimum	Typical	Maximum
Passband Frequency, Low Side	DC		26 GHz
Passband Frequency, High Side	29 GHz		40 GHz
Passband Insertion Loss		3.0 dB	
Rejection Frequency*	27.5 GHz		28 GHz
Rejection, Low Side		40 dB	
Passband Return Loss		9 dB	
Impedance		50 Ω	
Power Handling			5 W (CW)
Specification Temperature		+25 °C	
Operating Temperature	-20 °C		+60 °C

*Note: The Rejection Frequency is customizable.

Mechanical Specifications:

Item	Specification
RF Port 1	2.92 mm (K) Female
RF Port 2	2.92 mm (K) Female
Material	Aluminum
Finish	Black Paint
Length	1.57” (L) x 0.63” (W) x 0.51” (H)
Outline	CF-NA-JX1

ECCN

EAR99

FEATURES

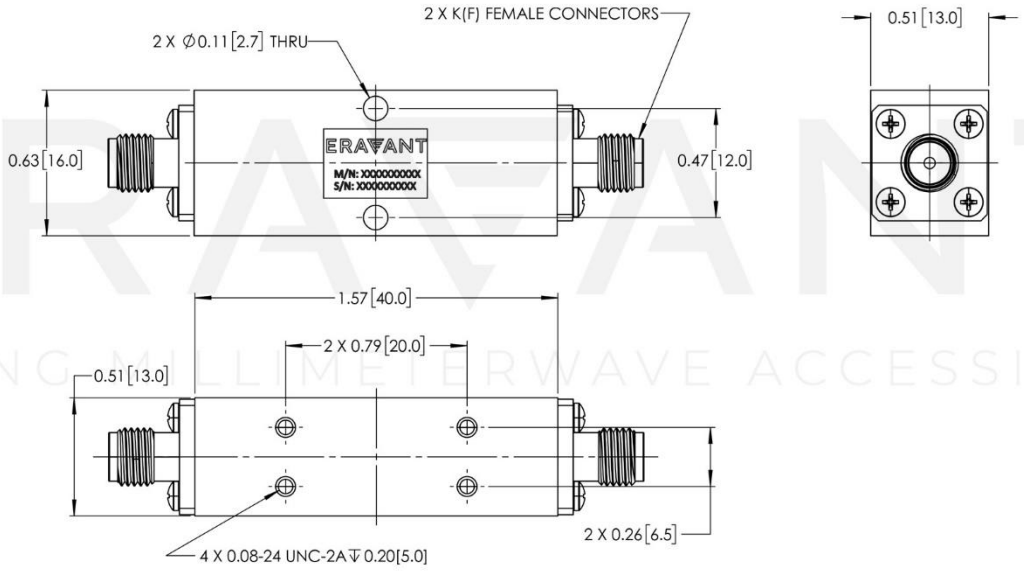
- Notch at 27.75 GHz
- High Rejection
- Narrow Notch Bandwidth
- Other Frequency Available

APPLICATIONS

- Radar
- Communication
- 5G Systems

SUPPLEMENTAL DETAILS

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 ± 0.15 inch-pounds (0.90 ± 0.02 Nm). Torque wrench model SCH-08008-S1 is highly recommended.