

FBP-CAV-3950-KMF

Bandpass Filter, 37 to 42 GHz, 5 W

REV 1.00



The FBP-CAV-3950-KMF is a wide bandwidth cavity bandpass filter that delivers exceptional performance in a small package size.

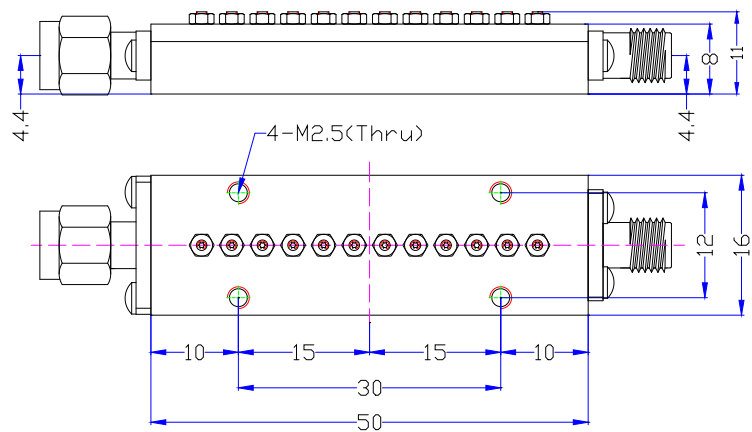
Features and Applications

- Low Insertion Loss
- High Stop Band Suppression
- Compact size
- Data links, 5G

ELECTRICAL SPECIFICATIONS

PARAMETER	SPECIFICATION
CENTER FREQUENCY	39.5 GHz
PASSBAND FREQUENCY	37 – 42 GHz
INSERTION LOSS	≤ 1.8 dB
PASSBAND VSWR	≤ 1.5:1
STOP BAND ATTENUATION	≥60 dB @ 35.4 GHz ≥55 dB @ 43.6 GHz
IMPEDANCE	50 Ω
RF POWER	5 W

MECHANICAL OUTLINE



Units: mm

MECHANICAL SPECIFICATIONS

PARAMETER	SPECIFICATION
CONNECTORS	K (2.9mm) - (M) input K (2.9mm) - (F) output
OPERATING TEMP	-30 °C to +70 °C
WEIGHT	50 g
FINISH	BLACK PAINT

ORDERING INFO

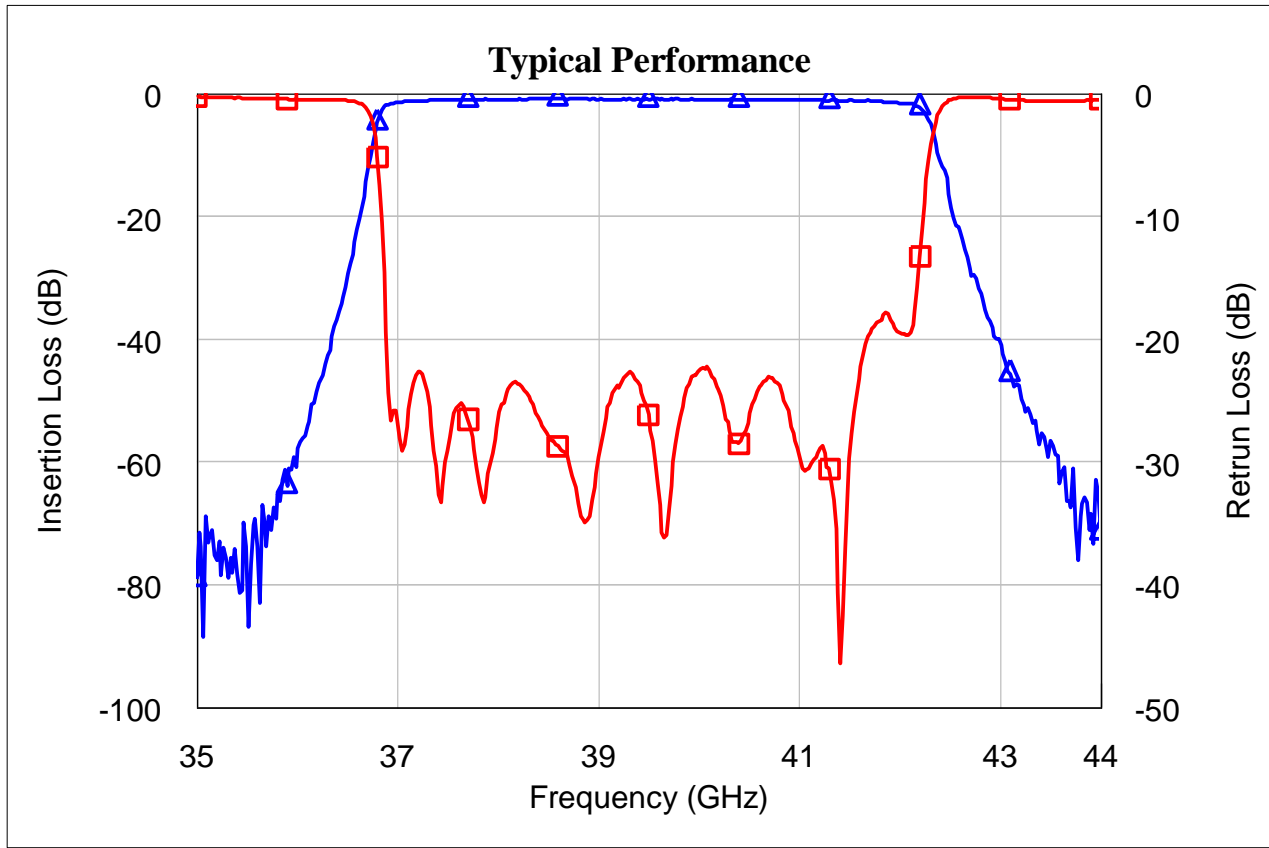
FBP	-	CML	-	3950	-	KMF
PRODUCT CODE		STRUCTURE		CENTER FREQ.		CONNECTOR
FILTER		CAVITY		39.5 GHz		K(2.9mm) - (MALE) K(2.9mm) - (FEMLE)

Electro-Photonics LLC reserves the right to modify drawings, configurations, specifications, and design at any time without prior notification.

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