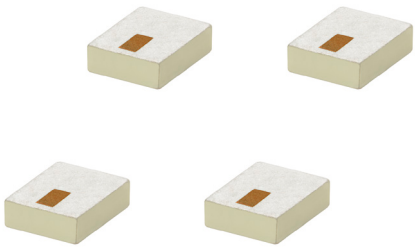
DESIGNER'S KIT K1-BFCQ+

Band Pass Filters

50Ω 25 to 40 GHz



FEATURES

- Innovative and industry leading
- 5G bands including n257, n258, and n260
- Small size, 2.5 mm x 2.0 mm
- Rugged LTCC construction
- Low Insertion Loss - Mid Band 2.0-2.5 dB typical
- Wide rejection band
- Low Cost

MINI-CIRCUITS DESIGNER'S KITS SPEED UP THE SOLUTION

RoHS COMPLIANT

PRODUCT OVERVIEW

K1-BFCQ+ is a designer kit consisting of all 4 LTCC bandpass filters from the BFCQ series. 5 units are included per model. BFCQ filters cover several 5G bands including n257, n258, and n260. Each model handles up to 1W RF input power and provides a wide operating temperature range from -55 to +125°C. Utilizing a proprietary LTCC material system and a distributed filter topology, these filters are able to achieve repeatable performance on a lot-to-lot basis, up to mmWave frequencies.

K1-BFCQ+ ELECTRICAL SPECIFICATIONS

(4 models, 5 of each, 20 Total)

Model[1]	Passband		Stopband, Lower		Stopband, Upper		Case Style
	(GHz)	Ins. Loss Typ. (dB)	(GHz)	Rejection Typ. (dB)	(GHz)	Rejection Typ. (dB)	
BFCQ-2552+	25.2 - 26.6	2.5	0.1 - 18	55	29.6 - 32	35	NL1008C-6
			18 - 22.2	35	32 - 45	44	
					45 - 50	40	
BFCQ-2602+	25 - 25.5	2.4	0.1 - 18	50	31 - 37	36	NL1008C-6
	25.5 - 27.1	2.0	18 - 21.7	37	37 - 45	40	
	27.1 - 27.5	2.4			45 - 50	40	
BFCQ-2802+	27.5 - 29.2	2.0	0.1 - 20	45	32.5 - 38	34	NL1008C-6
	29.2 - 29.5	2.4	20 - 24.2	36	38 - 48	40	
					48 - 53	34	
BFCQ-3852A+	37 - 38.6	2.9	0.1 - 28	55	44.8 - 47	25	NL1008C-6
	38.6 - 40	2.5	28 - 33.2	45	47 - 54	36	
					54 - 58	30	

1. See individual product datasheets for more details

REV. OR
ECO-008994
K1-BFCQ+
MCL NY
210729