

New Product Announcement!

High Pass Filter

HFCV-145+

50Ω 140 to 1150 MHz

The Big Deal:

- Small size 3.2mm x 2.5 mm
- High Power handling (8W)
- High rejection (20 dB typ)
- Ceramic construction



CASE STYLE: JV1210C

Pricing: \$3.99 (QTY 10)

Product Overview:

New High Pass Filter HFCV-145+ is an LTCC based 7 section design, that extends the lower frequency cutoff range of the existing HFCN series to 145 MHz. Systems that previously relied on active or lumped element filtering to support these lower frequencies can save power and system complexity by integrating the HFCV-145+ into new designs. These filters are offered in a EIA 1210 package size and have a typical stop band rejection of 20 dB.

Summary Performance

Insertion Loss (Pass band)	1.5 dB Max.	145-1050 MHz
Return Loss (Pass band)	15 dB Typ.	145-1050 MHz
Stop band Rejection	15 dB Min.	115 MHz
Stop band Rejection	20 dB typ.	80 MHz

Key Features

Feature	Advantages
Small Size (3.2mm x2.5 mm)	Available in the size of typical resistors or capacitors (EIA 1210), the ultra small HFCV series integrates up to 7 low pass sections in a simple SMT chip form factor.
High Power Handling	The HFCV series can withstand up to 8W CW signal without damage making this filter ideal for use in medium power to transmit paths.
Temperature Stability	Over a 155°C operating temperature range (-55°C to +100°C), the HFCV series ceramic filters typically exhibit less than 0.2 dB pass band insertion loss variation.
High Rejection	Achieving 20dB rejection @80 MHz; the HFCV-145+ provides a versatile high pass configuration for many up converter applications.



ISO 9001 ISO 14001 AS 9100 CERTIFIED

P.O. Box 350166, Brooklyn, New York 11235-0003 (718) 934-4500 Fax (718) 332-4661 The Design Engineers Search Engine Provides ACTUAL Data Instantly at minicircuits.com

IF/RF MICROWAVE COMPONENTS

For detailed performance specs & shopping online see web site

Notes: 1. Performance and quality attributes and conditions not expressly stated in this specification sheet are intended to be excluded and do not form a part of this specification sheet. 2. Electrical specifications and performance data contained herein are based on Mini-Circuit's applicable established test performance criteria and measurement instructions. 3. The parts covered by this specification sheet are subject to Mini-Circuits standard limited warranty and terms and conditions (collectively, "Standard Terms"); Purchasers of this part are entitled to the rights and benefits contained therein. For a full statement of the Standard Terms and the exclusive rights and remedies thereunder, please visit Mini-Circuits' website at www.minicircuits.com/MCLStore/terms.jsp.