

Product Specification Summary

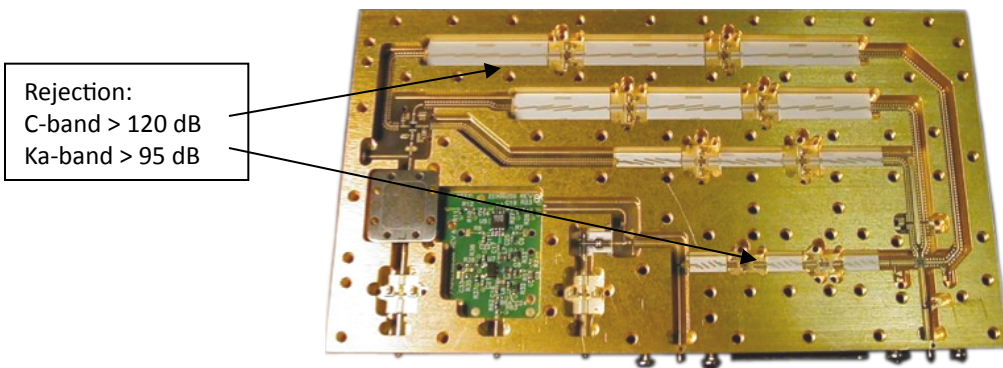
C, X, Ku, and Ka-band Switched Filter Bank

This unit is a high-performance switched filter bank that is used to select the operating band in a QUAD band SATCOM upconverter system. It selects either C, X, Ku, or Ka band and employs integrated isolation amplifiers and a patented even-harmonic mixer. It uses PIN diode MMIC switches selected to provide the high speed and other characteristics required to reliably select the desired band without compromising signal characteristics. This module embodies Narda's Ultimate MIC design and fabrication techniques and demonstrates the company's ability to meet custom RF and microwave switching needs in a compact package that includes driver circuitry and other control components.

QUAD Band Series

Key features

- Selects either C, X, Ku, or Ka band
- Fabricated using Narda's Ultimate MIC design and fabrication techniques
- Incorporates control and driver circuits, patented even harmonic mixer, and isolation amplifiers
- Uses PIN diode MMIC switches for optimum performance
- High Isolation
- Excellent gain flatness and phase linearity



Rejection:
C-band > 120 dB
Ka-band > 95 dB

Band	Input Frequency - MHz	Output Frequency -MHz	LO Frequency - MHz
C band	950 to 1750	5850 to 6650	4900
X Band	950 to 1450	7900 to 8400	6950
Ku Band	950 to 1700	13750 to 14500	128000
Ka1 Band	1000 to 2000	30000 to 31000	14500
Ka2 Band	1000 to 1500	30000 to 30500	14500
Ka3 Band	1500 to 2000	30500 to 31000	14500

Please consult the factory for detailed product specifications.

narda
microwave-east

an  communications company

Address: 435 Moreland Road, Hauppauge, NY 11788

Phone: (631) 231-1700

Fax: (631) 231-1711

Web: <http://www.nardamicrowave.com>

E-Mail: nardaeast@l-3com.com

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