

4 Channel Switched Filter Bank (500 - 3000 MHz)



- High Isolation – Up to 70 dB between channels
- Ruggedized High Reliability Performance
- User Customizable Channels
- Switching speeds < 50 nS
- Package 3.2 “ x 2.5” x 0.60”

Typical Specifications

NIC has developed a 4-channel Switched Filter Bank designed to meet today’s demanding high reliability environments.

Covering a frequency range of 500 Mhz to 3 GHz, the 4 channels are completely customizable by the user. High adjacent channel isolation (up to 70 dB), fast switching speed and phase noise performance are a few of the many features that make this filter bank a ideal choice for demanding applications.

- MIL-STD-883C Screening
- Light Weight – 5.0 oz max
- Acoustic Noise – 149 dB minimum

Frequency Range (MHz)	500 – 3000 Mhz
Shape Factor (3/70)	4:1
VSWR (Typical)	1.5:1
Insertion Loss	< 8 dB
Switching Type	TTL
Typ. Switching Speed	40 nS on, 150 nS off
DC Power	5V @ <150 mA -5V @ <1.5 mA
Temp Range	-40°C to +85°C
Isolation - Output to Input	- 70 dB
Phase Noise	100 Hz -95 dBc/Hz 1 Khz -115 dBc/Hz 10 Khz -140 dBc/Hz 100 Khz -148 dBc/Hz



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