



- Lorch Microwave's Commercial-Off-The-Shelf series of surface mount switch filter banks are available in up to 5 channels for less than \$100 (nominal) per channel in small quantity.
- The unit is available in frequencies from 900 to 2500 MHz.
- Low insertion loss and typical rejection curve response of a 6th order Chebyshev.
- Custom filter responses (i.e., lowpass, highpass, different transfer functions) are also available.
- Typical lead time of 4 to 6 weeks.

2 Channel COTS SFB (Example)

Lorch Microwave's 2IFA-1227/1575-M-1 is a very small, commercial grade, surface-mount two channel switch filter bank for the L1 and L2 GPS frequencies.

SPECIFICATIONS: 2IFA-1227/1575-M-1

L1 (1575.42 MHz) L2 (1227.60 MHz)	
Insertion Loss	4 dB typ, 6 dB max
Return Loss	11 dB min
3 dB Bandwidth	50 MHz typ
L1 – L2 Isolation	40 dB min
Absolute Group Delay at L1 and L2	15 nsec typ, 25 nsec max
Operating Temperature	-20 to +70 deg C
Control	1 bit TTL
Power Supply	+5V @ 5mA
Switching Speed	250 nsec typ
Size	1.78" x 1.10" x 0.26"

Typical Performance Data: 2IFA-1227/1575-M-1

