

### **Example:**

### ***Three-Channel Switched Band-Pass Filter***

This 3-channel switched bank filter enables the use of the full 5000 to 1000 MHz pass band or two narrow bands of 20 MHz or of approximately 200 MHz around 700 MHz.

#### **Example:**

1. Channel 1
  - 1.1 Frequency Range 500-1000 MHz
  - 1.2 Insertion Loss 4 dB Max.
  - 1.3 VSWR 1.8:1 Max.
  - 1.4 40 dB Rejection DC - 350 MHz  
1.5 - 5 GHz
  
2. Channel 2
  - 2.1 Frequency Range 690 - 710 MHz
  - 2.2 Insertion Loss 6 dB Max.
  - 2.3 VSWR 1.8:1 Max.
  - 2.4 0 dB Rejection DC-600 MHz  
820 - 5000 MHz
  
3. Channel 3
  - 3.1 Frequency Range 600-800 MHz
  - 3.2 Insertion Loss 5 dB Max.
  - 3.3 VSWR 1.8:1 Max.
  - 3.4 40 dB Rejection DC-500 MHz  
920-5000 MHz
  
4. Channel-to-Channel Isolation 40 dB max.
5. Power Supply +15V/275 mA, -15V/100 mA
6. Control TTL
7. Temperature -20C - +70C

## **Example:**

### ***Four-Channel Switched Low-Pass Filter***

This switched low-pass filters bank is designed to reduce the harmonic level of a 50-500 MHz medium power amplifier.

#### **Example:**

##### 1. Channel 1

- 1.1 Pass band (low-pass) 50-80 MHz
- 1.2 Insertion Loss 3.5 dB Max.
- 1.3 40 dB Min. Rejection 90-500 MHz

##### 2. Channel 2

- 2.1 Pass band (low-pass) 80-150 MHz
- 2.2 Insertion Loss 6 dB max.
- 2.3 40 dB Min. Rejection 160-500 MHz

##### 3. Channel 3

- 3.1 Pass band (low-pass) 150-280 MHz
- 3.2 Insertion Loss 6 dB max.
- 3.3 40dB Min. rejection 300 to 1000 MHz.

##### 4. Channel 4

- 4.1 Pass band (low-pass) 280-500 MHz
- 4.2 Insertion Loss 1.5 dB max.
- 4.3 40 dB Rejection 560-1000 MHz

Power Handling: 1W max.

VSWR: 1.8:1 max.

Control: TTL