

3-Channel 2400-6000 MHz Switched Filter Bank

Electrical Specifications

Parameter	Min.	Typ.	Max.	Units	Notes
Frequency Range	2400	-	6000	MHz	
Insertion Loss (At Center Frequency)		3.5	5.0	dB	
Passband Flatness (Across Passband)	-	0.4	0.5	dB	1.0 dB Max in Thru Path
Input / Output VSWR (Across Passband)	-	1.4:1	1.5:1	NA	
Switching Speed		0.6	1.0	μs	50% TTL to 10% / 90% RF
Supply Voltage					
+5.0 Volt Supply	+4.75	+5.0	+5.25	V	
-12V Volt Supply	-11.0	-12.0	-13.0		
Supply Current					
+5.0 Volt Supply	-	85	100	mA	
-12V Volt Supply	-	45	60		

Passband Specifications

Chan	Low Passband (MHz)	Upper Passband (MHz)	Center Frequency (MHz)	B.W. (MHz)	% BW	TTL Control Code	
						MSB	LSB
1	2400	3560	2980	1160	38.9%	0	0
2	3560	4760	4160	1200	28.8%	0	1
3	4760	6000	5380	1240	23.0%	1	0
4	2400	6000	4200	3600	85.7%	1	1

Rejection Specifications

Chan	-20.0 dBc Low-Side (MHz)	-20.0 dBc High-Side (MHz)
1	N/A	4150-5310
2	2390-3010	5130-5890
3	3010-4150	N/A
4	Thru Path	

Mechanical Specifications

Parameter	L	W	H		Notes
Size	2.6	2.0	0.5	inches	See Outline Drawing Below
RF/DC Connections	RF: SMA / DC: Solder Pins				
Seal	Gross Leak				Laser sealed aluminum package

Absolute Maximum Ratings

Supply Voltage	
+5.0 Volt Supply	+6.0 VDC
-12.0 Volt Supply	-14 VDC
RF Input Power	+29 dBm
Storage Temperature	-45 to +100 °C
Operating Temperature	-40 to +85 °C
ESD Sensitivity	Class 1B



ELECTROSTATIC SENSITIVE DEVICE. OBSERVE PROPER HANDLING PRECAUTIONS

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Outline Drawing

