

5-Channel 35-85 MHz Switched Filter Bank

Electrical Specifications

Parameter	Min.	Typ.	Max.	Units	Notes
Frequency Range	35	-	85	MHz	
Insertion Loss at Center Frequency	9.5	10.0	10.5	dB	@ +25°C
Input / Output VSWR at Fo ± 4 MHz	-	1.4:1	1.5:1	NA	
Passband Flatness	-	2.5	3.0	dB	
Switching Speed	-	0.5	1.0	µs	50% TTL to 10% / 90% RF
Input RF Operating Power (Linear operation)	-	-	+10	dBm	No performance degradation
Supply Voltage +5.0 Volt Supply -15 Volt Supply	+4.75 -14.5	+5.0 -15.0	+5.25 -15.5	V	
Supply Current +5.0 Volt Supply -15 Volt Supply	-	60 60	120 120	mA	

Passband Specifications

Channel	Lower Band-Edge (MHz)	Upper Band-Edge (MHz)	Center Freq. (Fo) (MHz)	Bandwidth (MHz)	% BW
1	35.0	45.0	40.0	10.0	25.0%
2	45.0	55.0	50.0	10.0	20.0%
3	55.0	65.0	60.0	10.0	16.7%
4	65.0	75.0	70.0	10.0	14.3%
5	75.0	85.0	80.0	10.0	12.5%

Rejection Specifications

Channel	-60 dBc Low-Side (MHz)	-60 dBc High-Side (MHz)
1	30.0	50.0
2	40.0	60.0
3	50.0	70.0
4	60.0	80.0
5	70.0	90.0

TTL Code		
E2	E1	E0
0	0	0
0	0	1
0	1	0
0	1	1
1	0	0

Mechanical Specifications

Parameter	L	W	H		Notes
Size Preliminary	3.250	2.125	0.750	Inch	
RF/DC Connections	SMA/Glass Seal Pins				

Absolute Maximum Ratings

Supply Voltage +5.0 VDC	+6.0 VDC
Supply Voltage -15.0 VDC	-16.0 VDC
RF Input Power	+20 dBm
Storage Temperature	-40 to +85 °C
Operating Temperature	-30 to +70 °C
ESD Sensitivity	Class 1B



ELECTROSTATIC SENSITIVE DEVICE. OBSERVE PROPER HANDLING PRECAUTIONS

