



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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SM Bandpass Filters



Utilizing DLI's high permittivity, COG/NPO ceramics allow for small size, temperature stable performance over frequency and high reliability in environmentally challenging conditions. This series of bandpass filters was designed to span the popular 1.22-28 GHz frequency range. The compact size and surface mount attachment allow for low cost of manufacturing without sacrificing performance and repeatability. Designed for use on PCB 8-12 mils thick with a permittivity of 3.0-3.8.

Features

- Small Size
- Fully Shielded Component
- Frequency Stable over Temperature
- Operating Temp: -55°C to +125°C
- Characteristic Impedance: 50Ω

Specifications

Part Number	Center Frequency	Passband	Insertion Loss (@Fc)		VSWR 50Ω System	Rejection		Length Inches (mm)	Width Inches (mm)	Height Inches (mm)
			@ 25°C	-40°C to +85°C						
B012MD5S	1.227 GHz	1.22 to 1.23 GHz	3.5 dB	4.2 dB	2.0:1	dc to 0.925 GHz (30 dB)	1.45 to 2.5 GHz (35 dB)	0.670 (17.02)	0.600 (15.24)	0.100 (2.36)
B016MD5S	1.575 GHz	1.57 to 1.58 GHz	3.5 dB	4.2 dB	2.0:1	dc to 1.175 GHz (40 dB)	1.875 to 3.0 GHz (40 dB)	0.670 (17.02)	0.600 (15.24)	0.100 (2.36)
B028RF2S	3 GHz	2 to 4 GHz	2.5 dB	3.0 dB	1.63:1	dc to 1.25 GHz (40 dB)	4.85 to 6 GHz (40 dB)	0.450 (11.43)	0.400 (10.16)	0.113 (2.87)
B033ND5S	3.3 GHz	3.1 to 3.5 GHz	2.0 dB	3.2 dB	2.0:1	dc to 2.6 GHz (30 dB)	4 to 6 GHz (40 dB)	0.393 (9.98)	0.353 (8.97)	0.128 (3.25)
B057MD7S	5.7 GHz	5.5 to 6.1 GHz	2.3 dB	2.8 dB	1.67:1	dc to 4.65 GHz (34 dB)	6.85 to 16 GHz (30 dB)	0.475 (12.1)	0.275 (7.00)	0.103 (2.62)
B056RC4S	6 GHz	4 to 8 GHz	3.0 dB	3.5 dB	1.5:1	dc to 3 GHz (40 dB)	9.5 to 12 GHz (40 dB)	0.450 (11.43)	0.230 (5.84)	0.100 (2.54)
B060NC5S	6 GHz	5.5 to 6.5 GHz	2.0 dB	3.0 dB	1.29:1	dc to 4.9 GHz (30 dB)	7.1 to 14 GHz (40 dB)	0.500 (12.7)	0.200 (5.08)	0.088 (2.24)
B080MB5S	8 GHz	7.5 to 8.5 GHz	2.0 dB	3.0 dB	1.29:1	dc to 6.8 GHz (40 dB)	9.2 to 18 GHz (40 dB)	0.500 (12.7)	0.180 (4.57)	0.100 (2.54)
B096QC2S	10 GHz	8 to 12 GHz	2.5 dB	3.0 dB	2.0:1	dc to 6 GHz (40 dB)	14 to 18 GHz (40 dB)	0.400 (10.86)	0.180 (4.57)	0.100 (2.54)
B120MB1S	12 GHz	11.5 to 12.5 GHz	2.0 dB	3.0 dB	1.29:1	dc to 10.6 GHz (40 dB)	13.2 to 20 GHz (40 dB)	0.525 (13.34)	0.225 (5.72)	0.090 (2.27)
B148QF0S	15 GHz	12 to 18 GHz	3.6 dB	4.2 dB	1.63:1	dc to 7.6 GHz (40 dB)	22.5 to 25.0 GHz (30 dB)	0.550 (13.97)	0.150 (3.81)	0.098 (2.49)
B161LA0S	16 GHz	15.5 to 16.5 GHz	4.0 dB	6.0 dB	1.67:1	dc to 14.7 GHz (40 dB)	17.2 to 22 GHz (40 dB)	0.695 (17.65)	0.250 (6.35)	0.093 (2.36)
B280LB0S	28 GHz	27 to 29 GHz	1.5 dB	2.0 dB	2.0:1	dc to 25.5 GHz (30 dB)	30.2 to 35 GHz (30 dB)	0.350 (8.89)	0.120 (3.05)	0.098 (2.49)
B280LA0S	28 GHz	27.5 to 28.5 GHz	4.0 dB	4.5 dB	2.0:1	dc to 26.1 GHz (30 dB)	30 to 37 GHz (30 dB)	0.550 (14.00)	0.140 (3.56)	0.083 (2.11)
B424MEZ5	42.5 GHz	39.7 to 45.3 GHz	1.5 dB	2 dB	2.0:1	dc to 37 GHz(30dB)	47.5 to 60 GHz (30dB)	0.236 (6.00)	0.08 (2.03)	0.065 (1.65)

