

# Material Driven Solutions For RF & Microwave Applications




## Ceramic Monoblock Filters





If the product required is not shown, we may have a customized product for your application. Please contact your MCV Representative.

Description	Picture	Passband (MHz)	IL (dB) RL (dB)	RX Attenuation (MHz)	Temp. Range	Package Size (mm)
W-CDMA Rx Monoblock Ceramic BPF		1920-1980	IL: 2.5 RL: 10.0	30 dB @ 1830 24 dB @ 1840 27 dB @ 2060	-40°C to +85°C	L = 6.95 W = 5.41 H = 3.83
W-CDMA Tx Monoblock Ceramic BPF		2110-2170	IL: 3.0 RL: 10.0	30 dB @ 1800 22 dB @ 1980 25 dB @ 2300	-40°C to +85°C	L = 6.95 W = 4.83 H = 3.83
W-CDMA Ceramic Monoblock BPF		2100-2180	IL: 2.4 RL: 10.0 Ripple: 1.5	30 dB @ 2010 30 dB @ 2210	-10°C to +80°C	L = 16.42 W = 6.03 H = 4.85
W-CDMA Tx Monoblock Ceramic BPF		2110-2170	IL: 2.4 RL: 10.0	15 dB @ 2090 15 dB @ 2190 35 dB @ 1980	-40°C to +85°C	L = 16.42 W = 6.1 H = 4.85
W-CDMA Tx Monoblock Ceramic BPF		1920-1980	IL: 2.4 RL: 10.0	15 dB @ 1900 15 dB @ 2000 35 dB @ 2110	-40°C to +85°C	L = 16.42 W = 6.1 H = 4.85
800 MHz Tx Monoblock Ceramic BPF		824-849	IL: 3.8 RL: 8.5	11 dB @ 804 22 dB @ 869	0°C to +25°C	L = 11.748 W = 10.693 H = 4.463
800 MHz Rx Monoblock Ceramic BPF		869-894	IL: 3.5 RL: 8.0	15 dB @ 849 9.0 dB @ 914	0°C to +25°C	L = 11.748 W = 9.017 H = 4.496
800 MHz Rx Monoblock Ceramic BPF		824-849	IL: 2.5 RL: 10.0	30 dB @ 686.5 24 dB @ 804 27 dB @ 869	0°C to +70°C	L = 6.95 W = 8.9 H = 3.83
800 MHz Tx Monoblock Ceramic BPF		869-894	IL: 2.7 RL: 10.0	32 dB @ 849	0°C to +70°C	L = 6.95 W = 8.51 H = 3.83
800 MHz Ceramic Monoblock BPF		869-894	IL: 1.6 RL: 10.0	35 dB @ 754 14 dB @ 849	0°C to +70°C	L = 14.74 W = 12.32 H = 6.0
800 MHz Ceramic Monoblock BPF		804-824	IL: 2.7 RL: 11.0	44 dB @ 850	0°C to +25°C	L = 29.399 W = 13.995 H = 4.496
InMarSat Rx Monoblock Ceramic BPF		1525-1559	IL: 2.5 RL: 9.5 Ripple: 1.0	14 dB @ 1475 24 dB @ 1626 32 dB @ 1650	-40°C to +85°C	L = 11.9 W = 8.9 H = 4.5
InMarSat Tx Monoblock Ceramic BPF		1626.5-1660.5	IL: 2.5 RL: 9.5 Ripple: 1.0	30 dB @ 1576.5 24 dB @ 1751.5	-40°C to +85°C	L = 11.75 W = 7.29 H = 4.5

InMarSat Ceramic Monoblock BPF		1525-1577	IL: 1.0 (PB1) IL: 1.7 (PB2) RL: 12.0	25 dB @ 1460 25 dB @ 1626 40 dB @ 1710	0°C to +25°C	L = 33.8580 W = 6.680 H = 7.850
InMarSat Ceramic Monoblock BPF		1525-1585	IL: 1.5 RL: 12.0	25 dB @ 1460 55 dB @ 1210 20 dB @ 1626.5 40 dB @ 1710	0°C to +25°C	L = 33.580 W = 6.680 H = 7.850
GPS L2 Monoblock Ceramic BPF		1217.6-1237.6	IL: 1.5 RL: 10.0	35 dB @ 1087.6 7 dB @ 1192.6 7 dB @ 1262.6 30 dB @ 1367.6	0°C to +25°C	L = 11.75 W = 9.92 H = 4.5
GPS L1 Monoblock Ceramic BPF		1564.4-1584.4	IL: 1.5 RL: 10.0	35 dB @ 1435.4 7 dB @ 1540.4 7 dB @ 1610.4 30 dB @ 1715.4	0°C to +25°C	L = 11.75 W = 7.55 H = 4.5
GPS L1 Monoblock Ceramic BPF		1573.42-1577.42	IL: 1.8 RL: 11.0	50 dB @ 849 20 dB @ 1710 45 dB @ 1850 20 dB @ 2400	0°C to +25°C	L = 4.0 W = 4.1 H = 2.0
GPS L2 Monoblock Ceramic BPF		1212.6-1242.3	IL: 1.0 RL: 12.0	30 dB @ 1152.6 30 dB @ 1302.6	0°C to +25°C	L = 41.605 W = 12.891 H = 8.941
GPS L1 Monoblock Ceramic BPF		1565.4-1585.4	IL: 1.0 RL: 12.0	30 dB @ 1500.4 30 dB @ 1650.4	0°C to +25°C	L = 41.605 W = 12.891 H = 8.128
GPS L1 Monoblock Ceramic BPF		1574.4-1576.4	IL: 1.0 RL: 15.0	17 dB @ 1525.4	0°C to +25°C	L = 33.58 W = 7.06 H = 7.85
GPS L1 Monoblock Ceramic BPF		1565.4-1585.4	IL: 1.0 RL: 12.0	29 dB @ 1500.4 29 dB @ 1650.4	0°C to +25°C	L = 38.557 W = 11.723 H = 5.664
GPS L2 Monoblock Ceramic BPF		1217.6-1237.6	IL: 2.1 RL: 12.1	29 dB @ 1152.6 29 dB @ 1302.6	0°C to +25°C	L = 38.557 W = 7.163 H = 11.723
GPS L2 Monoblock Ceramic BPF		1217.6-1237.6	IL: 1.5 RL: 10.0	19 dB @ 1086.6 31 dB @ 1367.6	0°C to +25°C	L = 7.889 W = 10.922 H = 4.496
PCS Ceramic Monoblock BPF		1850-1910	IL: 1.9 RL: 10.0	33 dB @ 1574 26 dB @ 1740 14 dB @ 2018 21 dB @ 2352	0°C to +25°C	L = 7.90 W = 6.604 H = 2.718
PCS Tx Monoblock Ceramic BPF		1930-1990	IL: 1.9 RL: 10.5	15.5 dB @ 1742 26.5 dB @ 2274	0°C to +25°C	L = 7.899 W = 6.472 H = 2.718
PCS Ceramic Monoblock BPF		1930-1990	IL: 3.8 RL: 10.0	37 dB @ 1910 10 dB @ 3700	0°C to +50°C	L = 7.05 W = 5.65 H = 3.93
PCS Tx Monoblock Ceramic BPF		1850-1910	IL: 1.9 RL: 10.0 Ripple: 0.8	15 dB @ 1780 15 dB @ 1980	-40°C to +85°C	L = 7.05 W = 5.9 H = 4.0

# CERAMIC MONOBLOCK FILTERS

Description	Picture	Passband (MHz)	IL (dB) RL (dB)	RX Attenuation (MHz)	Temp. Range	Package Size (mm)
PCS Tx Monoblock Ceramic BPF		1930-1990	IL: 1.9 RL: 10.5	15.5 dB @ 1742 26.5 dB @ 2274	0°C to +25°C	L = 7.899 W = 6.472 H = 2.718
PCS Ceramic Monoblock BPF		1930-1990	IL: 3.8 RL: 10.0	37 dB @ 1910 10 dB @ 3700	0°C to +50°C	L = 7.05 W = 5.65 H = 3.93
PCS Tx Monoblock Ceramic BPF		1850-1910	IL: 1.9 RL: 10.0 Ripple: 0.8	15 dB @ 1780 15 dB @ 1980	-40°C to +85°C	L = 7.05 W = 5.9 H = 4.0
PCS Tx Monoblock Ceramic BPF		1850-1910	IL: 3.3 RL: 8.0 Ripple: 2.0	13 dB @ 1920 17 dB @ 1930	0°C to +45°C	L = 13.67 W = 5.64 H = 6.12
PCS Rx Monoblock Ceramic BPF		1930-1990	IL: 2.8 RL: 8.0 Ripple: 2.0	13.5 dB @ 1920 13.5 dB @ 1910	0°C to +45°C	L = 13.67 W = 5.64 H = 6.12
DAB Ceramic Monoblock BPF		1452-1492	IL: 1.0 RL: 10.0	40 dB @ 1242	-40°C to +85°C	L = 5.58 W = 4.99 H = 3.2
ICAS Ceramic Monoblock BPF		1025-1035	IL: 2.5 RL: 10.0	18 dB @ 1000 35 dB @ 1100	0°C to +25°C	L = 53.850 W = 13.720 H = 12.25
TCAS Ceramic Monoblock BPF		1087-1093	IL: 1.0 RL: 12.5	40 dB @ 970	0°C to +25°C	L = 41.605 W = 12.891 H = 10.210
TCAS Ceramic Monoblock BPF		1095	IL: 1.4 RL: 16.0		0°C to +25°C	L = 11.569 W = 11.569 H = 10.109
TCAS Ceramic Monoblock BPF		1027-1033	IL: 1.7 RL: 12.0	15 dB @ 1005 18 dB @ 1055 40 dB @ 1090	0°C to +25°C	L = 33.580 W = 7.850 H = 10.744
TCAS Ceramic Monoblock BPF		1020-1040	IL: 3.0 RL: 12.0	32 dB @ 990 32 dB @ 1060	0°C to +25°C	L = 33.580 W = 11.252 H = 7.850
TCAS Ceramic Monoblock BPF		1087-1093	IL: 2.0 RL: 12.0	35 dB @ 1030	0°C to +25°C	L = 33.580 W = 10.109 H = 7.850
TCAS Ceramic Monoblock BPF		1033-1036	IL: 1.0 RL: 15.0	51 dB @ 835 46 dB @ 915 32 dB @ 927 20 dB @ 1005	0°C to +25°C	L = 81.656 W = 11.151 H = 20.856
TCAS Ceramic Monoblock BPF		1087-1093	IL: 2.0 RL: 12.0	55 dB @ 970 20 dB @ 1060 20 dB @ 1120 55 dB @ 1210	0°C to +25°C	L = 33.580 W = 10.109 H = 7.850
TCAS Ceramic Monoblock BPF		1085-1095	IL: 4.5 RL: 10.0	55 dB @ 1065 55 dB @ 1113	0°C to +25°C	L = 47.921 W = 10.287 H = 7.850

TCAS Ceramic Monoblock BPF		1033	IL: 1.4 RL: 15.5	3.0 dB @ 1027 3.0 dB @ 1039	0°C to +25°C	L = 11.569 W = 10.871 H = 11.569
ISM Ceramic Monoblock BPF		902-928	IL: 2.0 RL: 10.0	30 dB @ 710	0°C to +25°C	L = 8.788 W = 7.899 H = 4.496
ISM Ceramic Monoblock BPF		902-928	IL: 2.8 RL: 10.5	24.5 dB @ 849	0°C to +25°C	L = 11.748 W = 8.730 H = 4.496
CATV Ceramic Monoblock BPF		1052-1056	IL: 4.5 RL: 10.0	55 dB @ 1029 20 dB @ 1044 20 dB @ 1064 50 dB @ 1079	0°C to +25°C	L = 47.921 W = 10.541 H = 7.850