














Material Driven Solutions For RF & Microwave Applications

Ceramic Monoblock Duplexers

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

Desc.	Picture	TX Passband (MHz)	TX Response (dB)	TX Attenuation (MHz)	RX Passband (MHz)	Rx Response (dB)	RX Attenuation (MHz)	Temp. Range	Package Size (mm)
W-CDMA Ceramic Monoblock Duplexer		2110-2170	IL: 1.5 RL: 12.0 Ripple: 0.8 Isolation: 55	55 dB @ 1980	1920-1980	IL: 1.5 RL: 12.0 Ripple: 0.8 Isolation: 55	55 dB @ 2110	-40°C to +85°C	L = 24.04 W = 6.75 H = 4.6
W-CDMA Ceramic Monoblock Duplexer		1920-1980	IL: 1.6 RL: 14.0 Ripple: 0.6 Isolation: 52	40 dB @ 2110 35 dB @ 3840 10 dB @ 5760	2110-2170	IL: 1.8 RL: 14.0 Ripple: 0.8 Isolation: 45	50 dB @ 1980 20 dB @ 4220 10 dB @ 5950	-40°C to +85°C	L = 7.13 W = 5.4 H = 1.7
W-CDMA Ceramic Monoblock Duplexer		1920-1980	IL: 1.6 RL: 10.0 Ripple: 0.6 Isolation: 50	45 dB @ 2110 40 dB @ 2300 25 dB @ 3840 20 dB @ 5760	2110-2170	IL: 2.2 RL: 10.0 Ripple: 0.7 Isolation: 47	50 dB @ 1980 25 dB @ 2300 42 dB @ 2490 20 dB @ 3840	-40°C to +85°C	L = 9.93 W = 5.45 H = 1.9
PCS Ceramic Monoblock Duplexer		1850-1910	IL: 3.1 RL: 10.0 Ripple: 2.6 Isolation: 50	41.5 dB @ 1930	1930-1990	IL: 3.6 RL: 10.0 Ripple: 2.6 Isolation: 44.5	48 dB @ 1910	-40°C to +85°C	L = 23.93 W = 6.55 H = 4.6
PCS Ceramic Monoblock Duplexer		1850-1910	IL: 3.7 RL: 10.0	45 dB @ 1930 38 dB @ 2039.8	1930-1990	IL: 4.0 RL: 10.0	50 dB @ 1910 10 dB @ 2039.8 30 dB @ 2149.6	-20°C to +70°C	L = 22.91 W = 6.53 H = 4.6
PCS Ceramic Monoblock Duplexer		1850-1909.4	IL: 3.5 RL: 9.0 Ripple: 3.0 Isolation: 54	44 dB @ 1930.6 10 dB @ 3700	1930.6-1990	IL: 4.0 RL: 9.0 Ripple: 3.3 Isolation: 45	53 dB @ 1909.4 9 dB @ 2050	-40°C to +85°C	L = 19.92 W = 6.45 H = 4.6
PCS Ceramic Monoblock Duplexer		1850-1910	IL: 3.2 RL: 10.0 Ripple: 2.6 Isolation: 50	40 dB @ 1930	1930-1990	IL: 3.6 RL: 10.0 Ripple: 2.6 Isolation: 42.5	48 dB @ 1910	-40°C to +85°C	L = 19.92 W = 6.45 H = 4.6
PCS Ceramic Monoblock Duplexer		1850-1910	IL: 3.2 RL: 10.0 Ripple: 2.6 Isolation: 50	40 dB @ 1930	1930-1990	IL: 3.6 RL: 10.0 Ripple: 2.6 Isolation: 42.5	48 dB @ 1910	-40°C to +85°C	L = 19.92 W = 6.45 H = 4.6
PCS Ceramic Monoblock Duplexer		1850-1910	IL: 3.85 RL: 9.0	35 dB @ 1930	1930-1990	IL: 4.55 RL: 9.0	53 dB @ 1910	-40°C to +85°C	L = 28.27 W = 6.65 H = 4.00
PCS Ceramic Monoblock Duplexer		1850-1910	IL: 3.5 RL: 10.0 Ripple: 2.5	38 dB @ 1930 20 dB @ 2100 20 dB @ 2350 10 dB @ 3700	1930-1990	IL: 3.8 RL: 10.0 Ripple: 3.0	40 dB @ 1780 38 dB @ 1825 45 dB @ 1910 10 dB @ 2020	-40°C to +85°C	L = 28.48 W = 6.85 H = 4.90
PCS Ceramic Monoblock Duplexer		1850-1910	IL: 3.6 RL: 10.0 Ripple: 2.7	35 dB @ 1930 15 dB @ 3700 3 dB @ 5550	1930-1990	IL: 3.9 RL: 10.0 Ripple: 2.7	46 dB @ 1910 22 dB @ 2100	0°C to +85°C	L = 28.28 W = 6.54 H = 3.68
PCS Ceramic Monoblock Duplexer		1850-1910	IL: 3.2 RL: 10.0 Ripple: 2.6 Isolation: 54	45 dB @ 1930 9 dB @ 3700	1930-1990	IL: 4.0 RL: 10.0 Ripple: 3.3 Isolation: 46	53 dB @ 1910 9 dB @ 2050	-40°C to +85°C	L = 23.18 W = 6.52 H = 4.6
DCS Ceramic Monoblock Duplexer		1805-1880	IL: 4.2 RL: 10.0 Ripple: 3.1 Isolation: 40	30 dB @ 940	1710-1785	IL: 4.2 RL: 10.0 Ripple: 3.1 Isolation: 40	50 dB @ 1445	-40°C to +85°C	L = 24.04 W = 7.14 H = 4.6














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CERAMIC MONOBLOCK DUPLEXERS

Desc.	Picture	TX Passband (MHz)	TX Response (dB)	TX Attenuation (MHz)	RX Passband (MHz)	Rx Response (dB)	RX Attenuation (MHz)	Temp. Range	Package Size (mm)
AMPS Ceramic Monoblock Duplexer		824-849	IL: 2.0 RL: 12 Ripple: 1.5 Isolation: 58	44 dB @ 869 18 dB @ 1648	869-894	IL: 3.0 RL: 11.0 Ripple: 1.8 Isolation: 45	55 dB @ 849 18 dB @ 1648	-40°C to +85°C	L = 33.8 W = 13.7 H = 6.5
800 MHz Ceramic Monoblock Duplexer		824-849	IL: 3.0 RL: 10.0	38 dB @ 869	869-894	IL: 4.2 RL: 8.0	45 dB @ 824	0°C to +25°C	L = 21.59 W = 8.95 H = 4.25
800 MHz Ceramic Monoblock Duplexer		824-849	IL: 2.5 RL: 9.0	60 dB @ 869	869-894	IL: 2.5 RL: 7.5	65 dB @ 849	0°C to +25°C	L = 63.68 W = 15.85 H = 16.51
800 MHz Ceramic Monoblock Duplexer		804-824	IL: 2.5 RL: 9.0	50 dB @ 850	850-870	IL: 2.5 RL: 6.0	50 dB @ 824	0°C to +25°C	L = 63.68 W = 15.85 H = 16.64
800 MHz Ceramic Monoblock Duplexer		824-849	IL: 2.2 RL: 10.0	10 dB @ 804 45 dB @ 869	869-894	IL: 3.3 RL: 8.0	52 dB @ 849 20 dB @ 914 45 dB @ 959	0°C to +25°C	L = 30.54 W = 9.3 H = 5.2
800 MHz Ceramic Monoblock Duplexer		824-849	IL: 2.6 RL: 12.0 Ripple: 1.6 Isolation: 59	42 dB @ 869	869-894	IL: 3.5 RL: 12 Ripple: 2.1 Isolation: 43	57 dB @ 849	-40°C to +85°C	L = 21.54 W = 9.7 H = 4.0
800 MHz Ceramic Monoblock Duplexer		824-849	IL: 3.0 RL: 10.0 Ripple: 1.7 Isolation: 56	40 dB @ 869	869-894	IL: 3.9 RL: 10.0 Ripple: 2.5 Isolation: 41	55 dB @ 849	-40°C to +85°C	L = 15.85 W = 10.0 H = 3.4
InMarSat Ceramic Monoblock Duplexer		1626.5-1660.5	IL: 1.8 RL: 9.5	59 dB @ 1559	1525-1559	L: 1.8 RL: 9.5	64 dB @ 1626.5	-40°C to +85°C	L = 40.41 W = 8.29 H = 5.72
InMarSat Ceramic Monoblock Duplexer		1626.5-1660.5	IL: 1.0 RL: 10.0 Ripple: NA	66 dB @ 1559	1525-1559	IL: 1.0 RL: 10.0 Ripple: 0.6	65 dB @ 1626.5	-30°C to +85°C	L = 60.8 W = 9.25 H = 10.59
EGSM Ceramic Monoblock Duplexer		925-960	IL: 4.2 RL: 10.0 Ripple: 3.1		880-915	IL: 4.0 RL: 10.0 Ripple: 3.1	45 dB @ 575 30 dB @ 745	-40°C to +85°C	L = 21.54 W = 9.0 H = 4.0
KPCS Ceramic Monoblock Duplexer		1750-1780	IL: 3.0 RL: 9.0 Ripple: 1.9	39 dB @ 1840	1840-1870	IL: 3.2 RL: 9.0 Ripple: 2.6	57 dB @ 1780	-40°C to +85°C	L = 12.52 W = 7.17 H = 2.21