

DIELECTRIC MATERIALS

Low cost LTCC components

Low Pass Filters

Part Number	Frequency Range (MHz)	Dimensions (mm/inch)			Insertion Loss @BW (dB)	Attenuation (dB)			VSWR @ BW	Qty per Reel
		Length	Width	Thickness		@ 2.Fo	@ 3.Fo	@ 4.Fo		
LPF 0870 T 1608	824 / 915	1.60 / 0.063	0.80 / 0.031	0.60 / 0.024	0.6 max	20 min	15 min	-	1.8 max	4,000
LPF 0898 T 3216	880 / 915	3.20 / 0.126	1.60 / 0.063	0.85 / 0.033	0.6 max	30 min	18 min	-	1.8 max	3,000
LPF 1748 T 3216	1'710 / 1'785	3.20 / 0.126	1.60 / 0.063	0.85 / 0.033	0.6 max	30 min	18 min	-	1.8 max	3,000
LPF 1810 T 1608	1'710 / 1'910	1.60 / 0.063	0.80 / 0.031	0.60 / 0.024	0.6 max	25 min	20 min	-	1.7 max	
LPF 1880 T 1608	1'850 / 1'910	1.60 / 0.063	0.80 / 0.031	0.60 / 0.024	0.6 max	27 min	19 min	-	1.7 max	4,000
LPF 2442 T 3216	2'400 / 2'483	3.20 / 0.126	1.60 / 0.063	0.85 / 0.033	0.6 max	30 min	18 min	-	1.8 max	3,000
LPF 2450 T 2012	2'400 / 2'500	2.00 / 0.079	1.25 / 0.049	0.85 / 0.033	0.5 max	27 min	25 min	25 min	1.8 max	4,000
LPF 5513 T 2012	5'150 / 5'875	2.00 / 0.079	1.25 / 0.049	0.85 / 0.033	0.6 max	25 min	20 min	-	1.8 max	4,000

Band Pass Filters

Part Number	Frequency Range (MHz)	Dimensions (mm/inch)			Insertion Loss @BW (dB)	Attenuation (min)		
		Length	Width	Thickness		I (dB)	II (dB)	III (dB)
BPF 2450 T 2520 A	2'400 / 2'500	2.50 / 0.098	2.00 / 0.079	0.90 / 0.035	1.8 max	30@880/915	30@1710/1785	25@1850/1910
BPF 2450 T 2520 B	2'400 / 2'500	2.50 / 0.098	2.00 / 0.079	0.90 / 0.035	2.5 max	40@880/915	42@1710/1990	30@2100
BPF 2450 T 3216 A	2'400 / 2'500	3.20 / 0.126	1.60 / 0.063	0.85 / 0.033	2.5 max	-	30@1750	25@2100
BPF 2450 T 3216 B	2'400 / 2'500	3.20 / 0.126	1.60 / 0.063	0.85 / 0.033	2.5 max	-	40@1200/1800	25@2100
BPF 2450 T 3216 C	2'400 / 2'500	3.20 / 0.126	1.60 / 0.063	0.85 / 0.033	2.5 max	40@900/928	30@1200/1800	25@2100
BPF 2450 T 3225 A	2'400 / 2'500	3.20 / 0.126	2.50 / 0.098	1.50 / 0.059	2.5 max	40@1200/1800	30@2100	12@2200
BPF 2450 T 3225 B	2'400 / 2'500	3.20 / 0.126	2.50 / 0.098	1.50 / 0.059	2.3 max	40@1200/1800	30@2100	12@2200
BPF 2450 T 3225 C	2'400 / 2'500	3.20 / 0.126	2.50 / 0.098	1.50 / 0.059	1.3 max	30@880/915	30@1710/1785	20@1850/1910
BPF 5488 T 2012 A	5'150 / 5'825	2.00 / 0.079	1.25 / 0.049	0.85 / 0.033	1.8 max	35@2570/2900	22@10300/11650	30@15450/17475
BPF 5488 T 2012 B	5'150 / 5'825	2.00 / 0.079	1.25 / 0.049	0.85 / 0.033	2.8 max	30@500/4000	20@4600	25@10300/11800
BPF 5488 T 2012 C	5'150 / 5'825	2.00 / 0.079	1.25 / 0.049	0.85 / 0.033	1.8 max	35@2570/2900	27@10300/11650	20@15450/17475
BPF 5513 T 2012 A	5'150 / 5'875	2.00 / 0.079	1.25 / 0.049	0.85 / 0.033	1.5 max	30@3500	-	-
BPF 5513 T 2012 B	5'150 / 5'875	2.00 / 0.079	1.25 / 0.049	0.85 / 0.033	2.5 max	30@500/4000	20@ 4600	15@10300/11800

Part Number	VSWR @ BW	Qty per Reel
BPF 2450 T 2520 A	2.0 max	3,000
BPF 2450 T 2520 B	2.0 max	3,000
BPF 2450 T 3216 A	2.0 max	3,000
BPF 2450 T 3216 B	2.0 max	3,000
BPF 2450 T 3216 C	2.0 max	3,000
BPF 2450 T 3225 A	2.0 max	2,000
BPF 2450 T 3225 B	2.0 max	2,000
BPF 2450 T 3225 C	2.0 max	2,000
BPF 5488 T 2012 A	2.0 max	4,000
BPF 5488 T 2012 B	2.0 max	4,000
BPF 5488 T 2012 C	2.0 max	4,000
BPF 5513 T 2012 A	2.0 max	4,000
BPF 5513 T 2012 B	2.2 max	4,000

