Frequency (kHz) C_4 (pF) R_4 (k ohms) C_1 (pF) R_1 (k ohms) Dielectric constal Dissipation Factor (2\pi f C_1R_1)  1 650 1.36 453.333333 1.95 1351.041362 0.005554335812  3 750 1.28 426.6666667 2.25 1271.56834 0.01809557368  5 750 1.268 422.6666667 2.25 1259.647387 0.02987654614  7 650 1.266 422 1.95 1257.660562 0.03619303232  10 450 1.256 418.6666667 1.35 1247.726434 0.03551256336  15 400 1.244 414.6666667 1.2 1235.805481 0.04689769513  20 400 1.238 412.6666667 1.2 1229.845004 0.06222866728  25 300 1.232 410.6666667 0.9 1223.884528 0.05805663224  30 30 30 1.234 411.333333 0.9 1225.871353 0.06978105602  35 250 1.236 412 0.75 1227.858179 0.0679526491  40 250 1.228 409.3333333 0.75 1219.910877 0.07715751557  50 250 1.232 410.6666667 0.75 1223.884528 0.09676105373	BaTiO3(BT)		t=2.31 mm	d=10.56 mm		C_o	0.3355436378			
1   650		C 4 (pF)			R 1 (k ohms)	_		or (2\pifC 1R 1)		
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1,286	•									
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20 440 1228 412 6668697 12 123 123 845006 0.68222869728 2										
25 300 1 222 410.0000007										
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MUCC										
MLCC Frequency (Hz) C_4 (pF) R_4 (k ohms) C_1 (pF)  1 000 1.724 574.666667 1 260 1.594 53133333										
Frequency (Htz) C_4 (pF)	50	250	1.232	410.6666667	0.75	1223.884528	0.09676105373			
Frequency (Htz) C_4 (pF)										
1   000	MLCC					DCC				
3	Frequency (kHz)	C_4 (pF)	R_4 (k ohms)	C_1 (pF)		Frequency (kHz)		R_4 (k ohms)	_ ;; ;	
5	1	600	1.724	574.6666667		1	250	1.594	531.3333333	
7	3	750	1.728	576		3	800	1.57	523.3333333	
10   300   17.08   569.333333   10   350   1.555   518.333333   15   200   1.548   516   200   1.548   516   200   200   1.648   566.666667   20   200   1.546   515.333333   25   25   200   1.7   566.6666667   25   200   1.56   515.333333   30   200   1.52   573.333333   30   30   150   1.522   510.666667   35   200   1.7   566.6666667   35   150   1.548   516   35   30   35   35   35   35   35   35	5	450	1.726	575.3333333		5	550	1.56	520	
15	7	400	1.712	570.6666667		7	400	1.562	520.6666667	
20 200 16.94 564 666667 25 200 1.56 52333333   25 200 1.7 566.6666667 25 200 1.56 520   30 200 1.72 573.333333 3 0 150 1.532 510.666667   40 150 1.7 566.6666667 53 51 150 1.548 516   40 150 1.7 566.6666667 50 150 1.548 516   40 150 1.7 566.6666667 50 150 1.548 516   50 150 1.7 566.6666667 50 150 1.548 516   50 150 1.7 566.6666667 50 150 1.548 516   50 150 1.7 566.6666667 50 150 1.524 50   50 150 1.7 566.6666667 50 150 1.524 50   50 150 1.7 566.6666667 50 150 1.524 50   50 150 1.7 566.6666667 50 150 1.524 50   50 130 1.330 30 130 30 30 30 30 30 30 30 3393.33333333333	10	300	1.708	569.3333333		10	350	1.555	518.3333333	
20 200 16.94 564 666667 25 200 1.56 52333333   25 200 1.7 566.6666667 25 200 1.56 520   30 200 1.72 573.333333 3 0 150 1.532 510.666667   40 150 1.7 566.6666667 53 51 150 1.548 516   40 150 1.7 566.6666667 50 150 1.548 516   40 150 1.7 566.6666667 50 150 1.548 516   50 150 1.7 566.6666667 50 150 1.548 516   50 150 1.7 566.6666667 50 150 1.548 516   50 150 1.7 566.6666667 50 150 1.524 50   50 150 1.7 566.6666667 50 150 1.524 50   50 150 1.7 566.6666667 50 150 1.524 50   50 150 1.7 566.6666667 50 150 1.524 50   50 130 1.330 30 130 30 30 30 30 30 30 30 3393.33333333333	15	250	1.704	568		15	200	1.548	516	
25 20 1.7 566.66667 25 150.0 1.56 520 1.72 573.333333 30 150 150 1.532 510.666667 35 150 1.548 516 516 40 150 1.72 573.333333 40 150 1.548 516 516 40 150 1.72 573.333333 40 150 1.548 516 516 50 150 1.548 516 516 516 51 50 1.548 516 516 516 51 516 51 51 516 51 51 51 51 51 51 51 51 51 51 51 51 51				564.6666667			250			
30 200 1.72 573.333333 30 150 1.522 510.6666667 35 150 1.544 516 1.522 510.6666667 35 150 1.546 515 1.544 516 1.522 510.6666667 35 150 1.546 515 1.545 515 1.544 516 1.524 508 1.509 1.509										
35   200										
40										
Dependence with temperature   FSKHz   FSWHz										
Dependence with temperature   F=5kHz   F=10kHz   F=10kHz   F=10kHz										
F=5kHz	30	130	1.7	300.0000007		30	130	1.524	300	
F=5kHz	Danandanaa with	tomporatura								
Temperature (de   R_4 (k ohms)   C_4 (pF)   Dielectric Constant   Section							f-40kl l-			
80			C 4 (=F)	Dialoctric Consta		Towns and the de		C 4 (=F)	Dialoctric Consta	<b>~</b> 4
90 1.37 600 1360.975489 90 1.35 400 1341.107234 100 1.422 650 1412.632953 100 1.403 400 1393.758111 110 1.505 700 1495.086213 110 1.408 400 1478.198196 1115 1.574 650 1565.631694 115 1.562 400 1551.71074 120 1.664 600 1653.038843 120 1.656 400 1645.09154 125 1.788 600 1776.22206 1.25 1.786 750 1774.2352 130 1.876 850 1863.642349 130 1.862 600 1849.73457 135 1.888 750 1875.563302 135 1.872 500 1859.66698 140 1.808 450 1796.090281 140 1.786 300 17774.2352 145 1.694 550 1682.841226 145 1.682 250 1670.920272 150 1.614 450 1603.368204 150 1.584 300 1573.565821 155 1.508 650 1498.066451 155 1.494 350 1484.158672 160 1.426 1150 1416.606604 160 1.414 850 1404.685651  Temperature (de R. 4 (k ohms) C. 4 (pF) Dielectric Constant 80 1.303 350 1294.416834 80 1.298 300 1289.44977 90 1.338 350 1322.83057 100 1.39 300 1327.199455 100 1.392 350 1382.83057 100 1.39 300 1380.843745 110 1.462 300 1472.237719 110 1.475 300 1538.843745 110 1.462 300 1472.237719 110 1.475 300 1538.843745 110 1.468 300 1637.144238 120 1.646 250 1635.157413 126 1.77 650 1763.340596 125 1.766 250 1754.366945 130 1.858 250 1845.760919 130 1.845 450 1832.84653 135 1.86 450 1847.747745 135 1.858 400 1845.760919 140 1.774 250 1762.27297 150 1.58 250 1669.59217 150 1.58 250 1669.59217 150 1.58 250 1669.59217 150 1.58 250 1669.59217 150 1.58 250 1669.59217 150 1.58 250 1669.59217 150 1.58 250 1669.59217 150 1.576 250 1566.618519 155 1.488 300 1478.189196					int I					nı
100										
110										
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135	125	1.788	600	1776.222026			1.786	750		
140	130	1.876	850	1863.642349		130	4 000	000		
145	135	1.888	750	1875.563302	I					
150	140	1.808				135				
155         1.508         650         1498.066451         155         1.494         350         1484.158672           160         1.426         1150         1416.606604         160         1.414         850         1404.685651           F=15kHz         F=20kHz           Temperature (de R_4 (k ohms)         C_4 (pF)         Dielectric Constant           80         1.303         350         1294.416834         80         1.298         300         1289.44977           90         1.338         350         1329.186281         90         1.336         300         1327.199455           100         1.392         350         1382.83057         100         1.39         300         1380.843745           110         1.482         300         1472.237719         110         1.475         300         1465.28383           115         1.55         300         1539.789787         115         1.546         300         1535.816136           120         1.648         300         1637.144238         120         1.646         250         1635.157413           125         1.77         650         1758.340596         125         1.76	145		450				1.872	500	1859.668698	
160       1.426       1150       1416.606604       160       1.414       850       1404.685651         F=15kHz         Temperature (de R_4 (k ohms)       C_4 (pF)       Dielectric Constant         Temperature (de R_4 (k ohms)       C_4 (pF)       Dielectric Constant         80       1.303       350       1294.416834       80       1.298       300       1289.44977         90       1.338       350       1329.186281       90       1.336       300       1327.199455         100       1.392       350       1382.83057       100       1.39       300       1380.843745         110       1.482       300       1472.237719       110       1.475       300       1465.28383         115       1.555       300       1539.789787       115       1.546       300       1535.157413         120       1.648       300       1637.144238       120       1.646       250       1635.157413         125       1.77       650       1758.340596       125       1.766       250       1754.366945         130 <t< td=""><td></td><td></td><td></td><td>1796.090281</td><td></td><td>140</td><td>1.872 1.786</td><td>500 300</td><td>1859.668698 1774.2352</td><td></td></t<>				1796.090281		140	1.872 1.786	500 300	1859.668698 1774.2352	
f=15kHz         f=20kHz         Temperature (de R_4 (k ohms) C_4 (pF) Dielectric Constant         Temperature (de R_4 (k ohms) C_4 (pF) Dielectric Constant           80         1.303         350         1294.416834         80         1.298         300         1289.44977           90         1.338         350         1329.186281         90         1.336         300         1327.199455           100         1.392         350         1382.83057         100         1.39         300         1380.843745           110         1.482         300         1472.237719         110         1.475         300         1465.28383           115         1.55         300         1539.789787         115         1.546         300         1535.816136           120         1.648         300         1637.144238         120         1.646         250         1635.157413           125         1.77         650         1758.340596         125         1.766         250         1754.366945           130         1.858         250         1845.760919         130         1.845         450         1832.846553           135         1.86         450         1847.747745         135	150	1.694	550	1796.090281 1682.841226		140 145	1.872 1.786 1.682	500 300 250	1859.668698 1774.2352 1670.920272	
f=15kHz         f=20kHz         Temperature (de R_4 (k ohms) C_4 (pF) Dielectric Constant         Temperature (de R_4 (k ohms) C_4 (pF) Dielectric Constant           80         1.303         350         1294.416834         80         1.298         300         1289.44977           90         1.338         350         1329.186281         90         1.336         300         1327.199455           100         1.392         350         1382.83057         100         1.39         300         1380.843745           110         1.482         300         1472.237719         110         1.475         300         1465.28383           115         1.55         300         1539.789787         115         1.546         300         1535.816136           120         1.648         300         1637.144238         120         1.646         250         1635.157413           125         1.77         650         1758.340596         125         1.766         250         1754.366945           130         1.858         250         1845.760919         130         1.845         450         1832.846553           135         1.86         450         1847.747745         135		1.694 1.614	550 450	1796.090281 1682.841226 1603.368204		140 145 150	1.872 1.786 1.682 1.584	500 300 250 300	1859.668698 1774.2352 1670.920272 1573.565821	
Temperature (de R_4 (k ohms)	155	1.694 1.614 1.508	550 450 650	1796.090281 1682.841226 1603.368204 1498.066451		140 145 150 155	1.872 1.786 1.682 1.584 1.494	500 300 250 300 350	1859.668698 1774.2352 1670.920272 1573.565821 1484.158672	
Temperature (de R_4 (k ohms)	155	1.694 1.614 1.508	550 450 650	1796.090281 1682.841226 1603.368204 1498.066451		140 145 150 155	1.872 1.786 1.682 1.584 1.494	500 300 250 300 350	1859.668698 1774.2352 1670.920272 1573.565821 1484.158672	
80         1.303         350         1294.416834         80         1.298         300         1289.44977           90         1.338         350         1329.186281         90         1.336         300         1327.199455           100         1.392         350         1382.83057         100         1.39         300         1380.843745           110         1.482         300         1472.237719         110         1.475         300         1465.28383           115         1.55         300         1539.789787         115         1.546         300         1535.816136           120         1.648         300         1637.144238         120         1.646         250         1635.157413           125         1.77         650         1758.340596         125         1.766         250         1754.366945           130         1.858         250         1845.760919         130         1.845         450         1832.846553           135         1.86         450         1847.747745         135         1.858         400         1845.760919           140         1.78         250         1768.274723         140         1.774         250         1762.314247 </td <td>155 160</td> <td>1.694 1.614 1.508 1.426</td> <td>550 450 650</td> <td>1796.090281 1682.841226 1603.368204 1498.066451</td> <td></td> <td>140 145 150 155</td> <td>1.872 1.786 1.682 1.584 1.494</td> <td>500 300 250 300 350</td> <td>1859.668698 1774.2352 1670.920272 1573.565821 1484.158672</td> <td></td>	155 160	1.694 1.614 1.508 1.426	550 450 650	1796.090281 1682.841226 1603.368204 1498.066451		140 145 150 155	1.872 1.786 1.682 1.584 1.494	500 300 250 300 350	1859.668698 1774.2352 1670.920272 1573.565821 1484.158672	
90       1.338       350       1329.186281       90       1.336       300       1327.199455         100       1.392       350       1382.83057       100       1.39       300       1380.843745         110       1.482       300       1472.237719       110       1.475       300       1465.28383         115       1.55       300       1539.789787       115       1.546       300       1535.816136         120       1.648       300       1637.144238       120       1.646       250       1635.157413         125       1.77       650       1758.340596       125       1.766       250       1754.366945         130       1.858       250       1845.760919       130       1.845       450       1832.846553         135       1.86       450       1847.747745       135       1.858       400       1845.760919         140       1.78       250       1768.274723       140       1.774       250       1762.314247         145       1.68       250       1668.933447       145       1.674       150       1662.97297         150       1.58       250       1569.59217       150       1.576	155 160	1.694 1.614 1.508 1.426 f=15kHz	550 450 650 1150	1796.090281 1682.841226 1603.368204 1498.066451 1416.606604	nt	140 145 150 155 160	1.872 1.786 1.682 1.584 1.494 1.414	500 300 250 300 350 850	1859.668698 1774.2352 1670.920272 1573.565821 1484.158672 1404.685651	nt
100         1.392         350         1382.83057         100         1.39         300         1380.843745           110         1.482         300         1472.237719         110         1.475         300         1465.28383           115         1.55         300         1539.789787         115         1.546         300         1535.816136           120         1.648         300         1637.144238         120         1.646         250         1635.157413           125         1.77         650         1758.340596         125         1.766         250         1754.366945           130         1.858         250         1845.760919         130         1.845         450         1832.846553           135         1.86         450         1847.747745         135         1.858         400         1845.760919           140         1.78         250         1768.274723         140         1.774         250         1762.314247           145         1.68         250         1668.933447         145         1.674         150         1662.97297           150         1.58         250         1569.59217         150         1.576         250         1565.618519<	155 160 Temperature (de	1.694 1.614 1.508 1.426 f=15kHz R_4 (k ohms)	550 450 650 1150 C_4 (pF)	1796.090281 1682.841226 1603.368204 1498.066451 1416.606604 Dielectric Consta	nt	140 145 150 155 160 Temperature (de	1.872 1.786 1.682 1.584 1.494 1.414 f=20kHz R_4 (k ohms)	500 300 250 300 350 850	1859.668698 1774.2352 1670.920272 1573.565821 1484.158672 1404.685651	nt
110       1.482       300       1472.237719       110       1.475       300       1465.28383         115       1.55       300       1539.789787       115       1.546       300       1535.816136         120       1.648       300       1637.144238       120       1.646       250       1635.157413         125       1.77       650       1758.340596       125       1.766       250       1754.366945         130       1.858       250       1845.760919       130       1.845       450       1832.846553         135       1.86       450       1847.747745       135       1.858       400       1845.760919         140       1.78       250       1768.274723       140       1.774       250       1762.314247         145       1.68       250       1668.933447       145       1.674       150       1662.97297         150       1.58       250       1569.59217       150       1.576       250       1565.618519         155       1.488       300       1478.198196       155       1.49       250       1480.185021	155 160 Temperature (dec	1.694 1.614 1.508 1.426 f=15kHz R_4 (k ohms)	550 450 650 1150 C_4 (pF)	1796.090281 1682.841226 1603.368204 1498.066451 1416.606604 Dielectric Consta	nt	140 145 150 155 160 Temperature (dec	1.872 1.786 1.682 1.584 1.494 1.414 f=20kHz R_4 (k ohms)	500 300 250 300 350 850 C_4 (pF)	1859.668698 1774.2352 1670.920272 1573.565821 1484.158672 1404.685651 Dielectric Consta 1289.44977	nt
115         1.55         300         1539.789787         115         1.546         300         1535.816136           120         1.648         300         1637.144238         120         1.646         250         1635.157413           125         1.77         650         1758.340596         125         1.766         250         1754.366945           130         1.858         250         1845.760919         130         1.845         450         1832.846553           135         1.86         450         1847.747745         135         1.858         400         1845.760919           140         1.78         250         1768.274723         140         1.774         250         1762.314247           145         1.68         250         1668.933447         145         1.674         150         1662.97297           150         1.58         250         1569.59217         150         1.576         250         1565.618519           155         1.488         300         1478.198196         155         1.49         250         1480.185021	155 160 Temperature (de 80 90	1.694 1.614 1.508 1.426 f=15kHz R_4 (k ohms) 1.303 1.338	550 450 650 1150 C_4 (pF) 350 350	1796.090281 1682.841226 1603.368204 1498.066451 1416.606604 Dielectric Consta 1294.416834 1329.186281	nt	140 145 150 155 160 Temperature (de 80 90	1.872 1.786 1.682 1.584 1.494 1.414 f=20kHz R_4 (k ohms) 1.298 1.336	500 300 250 300 350 850 C_4 (pF)	1859.668698 1774.2352 1670.920272 1573.565821 1484.158672 1404.685651 Dielectric Consta 1289.44977 1327.199455	nt
120       1.648       300       1637.144238       120       1.646       250       1635.157413         125       1.77       650       1758.340596       125       1.766       250       1754.366945         130       1.858       250       1845.760919       130       1.845       450       1832.846553         135       1.86       450       1847.747745       135       1.858       400       1845.760919         140       1.78       250       1768.274723       140       1.774       250       1762.314247         145       1.68       250       1668.933447       145       1.674       150       1662.97297         150       1.58       250       1569.59217       150       1.576       250       1565.618519         155       1.488       300       1478.198196       155       1.49       250       1480.185021	155 160 Temperature (de 80 90 100	1.694 1.614 1.508 1.426 f=15kHz R_4 (k ohms) 1.303 1.338 1.392	550 450 650 1150 C_4 (pF) 350 350	1796.090281 1682.841226 1603.368204 1498.066451 1416.606604 Dielectric Consta 1294.416834 1329.186281 1382.83057	nt	140 145 150 155 160 Temperature (de: 80 90	1.872 1.786 1.682 1.584 1.494 1.414 f=20kHz R_4 (k ohms) 1.298 1.336	500 300 250 300 350 850 C_4 (pF) 300 300	1859.668698 1774.2352 1670.920272 1573.565821 1484.158672 1404.685651 Dielectric Consta 1289.44977 1327.199455 1380.843745	nt
125         1.77         650         1758.340596         125         1.766         250         1754.366945           130         1.858         250         1845.760919         130         1.845         450         1832.846553           135         1.86         450         1847.747745         135         1.858         400         1845.760919           140         1.78         250         1768.274723         140         1.774         250         1762.314247           145         1.68         250         1668.933447         145         1.674         150         1662.97297           150         1.58         250         1569.59217         150         1.576         250         1565.618519           155         1.488         300         1478.198196         155         1.49         250         1480.185021	155 160 Temperature (dec 80 90 100	1.694 1.614 1.508 1.426 f=15kHz R_4 (k ohms) 1.303 1.338 1.392 1.482	550 450 650 1150 C_4 (pF) 350 350 350	1796.090281 1682.841226 1603.368204 1498.066451 1416.606604 Dielectric Consta 1294.416834 1329.186281 1382.83057 1472.237719	nt	140 145 150 155 160 Temperature (de 80 90 100	1.872 1.786 1.682 1.584 1.494 1.414 f=20kHz R_4 (k ohms) 1.298 1.336 1.39	500 300 250 300 350 850  C_4 (pF) 300 300 300 300	1859.668698 1774.2352 1670.920272 1573.565821 1484.158672 1404.685651 Dielectric Consta 1289.44977 1327.199455 1380.843745 1465.28383	nt
130         1.858         250         1845.760919         130         1.845         450         1832.846553           135         1.86         450         1847.747745         135         1.858         400         1845.760919           140         1.78         250         1768.274723         140         1.774         250         1762.314247           145         1.68         250         1668.933447         145         1.674         150         1662.97297           150         1.58         250         1569.59217         150         1.576         250         1565.618519           155         1.488         300         1478.198196         155         1.49         250         1480.185021	155 160 Temperature (dec 80 90 100 110 115	1.694 1.614 1.508 1.426 f=15kHz R_4 (k ohms) 1.303 1.338 1.392 1.482	550 450 650 1150 C_4 (pF) 350 350 350 300	1796.090281 1682.841226 1603.368204 1498.066451 1416.606604 Dielectric Consta 1294.416834 1329.186281 1382.83057 1472.237719 1539.789787	nt	140 145 150 155 160 Temperature (dec 80 90 100 110	1.872 1.786 1.682 1.584 1.494 1.414 f=20kHz R_4 (k ohms) 1.298 1.336 1.39 1.475	500 300 250 300 350 850  C_4 (pF) 300 300 300 300 300	1859.668698 1774.2352 1670.920272 1573.565821 1484.158672 1404.685651 Dielectric Consta 1289.44977 1327.199455 1380.843745 1465.28383 1535.816136	nt
135     1.86     450     1847.747745     135     1.858     400     1845.760919       140     1.78     250     1768.274723     140     1.774     250     1762.314247       145     1.68     250     1668.933447     145     1.674     150     1662.97297       150     1.58     250     1569.59217     150     1.576     250     1565.618519       155     1.488     300     1478.198196     155     1.49     250     1480.185021	Temperature (dec 80 90 100 115 120	1.694 1.614 1.508 1.426 f=15kHz R_4 (k ohms) 1.303 1.338 1.392 1.482 1.55	550 450 650 1150 C_4 (pF) 350 350 350 300 300	1796.090281 1682.841226 1603.368204 1498.066451 1416.606604 Dielectric Consta 1294.416834 1329.186281 1382.83057 1472.237719 1539.789787 1637.144238	nt	140 145 150 155 160 Temperature (dec 80 90 100 110 115	1.872 1.786 1.682 1.584 1.494 1.414 f=20kHz R_4 (k ohms) 1.298 1.336 1.39 1.475 1.546	500 300 250 300 350 850  C_4 (pF) 300 300 300 300 300 250	1859.668698 1774.2352 1670.920272 1573.565821 1484.158672 1404.685651 Dielectric Consta 1289.44977 1327.199455 1380.843745 1465.28383 1535.816136 1635.157413	nt
140     1.78     250     1768.274723     140     1.774     250     1762.314247       145     1.68     250     1668.933447     145     1.674     150     1662.97297       150     1.58     250     1569.59217     150     1.576     250     1565.618519       155     1.488     300     1478.198196     155     1.49     250     1480.185021	Temperature (det 80 90 110 115 120 125	1.694 1.614 1.508 1.426 f=15kHz R_4 (k ohms) 1.303 1.338 1.392 1.482 1.55 1.648	550 450 650 1150 C_4 (pF) 350 350 350 300 300 650	1796.090281 1682.841226 1603.368204 1498.066451 1416.606604 Dielectric Consta 1294.416834 1329.186281 1382.83057 1472.237719 1539.789787 1637.144238 1758.340596	nt	140 145 150 155 160 Temperature (dec 80 90 100 110 115 120	1.872 1.786 1.682 1.584 1.494 1.414 f=20kHz R_4 (k ohms) 1.298 1.336 1.39 1.475 1.546 1.646	500 300 250 300 350 850  C_4 (pF) 300 300 300 300 300 250 250	1859.668698 1774.2352 1670.920272 1573.565821 1484.158672 1404.685651 Dielectric Consta 1289.44977 1327.199455 1380.843745 1465.28383 1535.816136 1635.157413 1754.366945	nt
145     1.68     250     1668.933447     145     1.674     150     1662.97297       150     1.58     250     1569.59217     150     1.576     250     1565.618519       155     1.488     300     1478.198196     155     1.49     250     1480.185021	Temperature (det 80 90 110 115 120 125 130	1.694 1.614 1.508 1.426 f=15kHz R_4 (k ohms) 1.303 1.338 1.392 1.482 1.55 1.648 1.77	550 450 650 1150 C_4 (pF) 350 350 350 300 300 650 250	1796.090281 1682.841226 1603.368204 1498.066451 1416.606604 Dielectric Consta 1294.416834 1329.186281 1382.83057 1472.237719 1539.789787 1637.144238 1758.340596 1845.760919		140 145 150 155 160  Temperature (dec 80 90 100 110 115 120 125 130	1.872 1.786 1.682 1.584 1.494 1.414 f=20kHz R_4 (k ohms) 1.298 1.336 1.39 1.475 1.546 1.646 1.766	500 300 250 300 350 850  C_4 (pF) 300 300 300 300 250 250 450	1859.668698 1774.2352 1670.920272 1573.565821 1484.158672 1404.685651 Dielectric Consta 1289.44977 1327.199455 1380.843745 1465.28383 1535.816136 1635.157413 1754.366945 1832.846553	nt
150         1.58         250         1569.59217         150         1.576         250         1565.618519           155         1.488         300         1478.198196         155         1.49         250         1480.185021	Temperature (dec 80 90 100 115 120 125 130	1.694 1.614 1.508 1.426  f=15kHz  R_4 (k ohms) 1.303 1.338 1.392 1.482 1.55 1.648 1.77 1.858 1.86	550 450 650 1150 C_4 (pF) 350 350 350 300 300 650 250 450	1796.090281 1682.841226 1603.368204 1498.066451 1416.606604 Dielectric Consta 1294.416834 1329.186281 1382.83057 1472.237719 1539.789787 1637.144238 1758.340596 1845.760919 1847.747745		140 145 150 155 160  Temperature (deg 80 90 100 110 115 120 125 130 135	1.872 1.786 1.682 1.584 1.494 1.414 f=20kHz R_4 (k ohms) 1.298 1.336 1.39 1.475 1.546 1.646 1.766 1.845	500 300 250 300 350 850  C_4 (pF) 300 300 300 300 250 250 450 400	1859.668698 1774.2352 1670.920272 1573.565821 1484.158672 1404.685651 Dielectric Consta 1289.44977 1327.199455 1380.843745 1465.28383 1535.816136 1635.157413 1754.366945 1832.846553 1845.760919	nt
155 1.488 300 1478.198196 155 1.49 250 1480.185021	Temperature (dec 80 90 100 115 120 125 130 135	1.694 1.614 1.508 1.426  f=15kHz  R_4 (k ohms) 1.303 1.338 1.392 1.482 1.55 1.648 1.77 1.858 1.868 1.78	550 450 650 1150 C_4 (pF) 350 350 350 300 300 650 250 450	1796.090281 1682.841226 1603.368204 1498.066451 1416.606604 Dielectric Consta 1294.416834 1329.186281 1382.83057 1472.237719 1539.789787 1637.144238 1758.340596 1845.760919 1847.747745		140 145 150 155 160  Temperature (deg 80 90 100 110 115 120 125 130 135	1.872 1.786 1.682 1.584 1.494 1.414 f=20kHz R_4 (k ohms) 1.298 1.336 1.39 1.475 1.546 1.646 1.766 1.845	500 300 250 300 350 850  C_4 (pF) 300 300 300 300 250 250 450 400	1859.668698 1774.2352 1670.920272 1573.565821 1484.158672 1404.685651 Dielectric Consta 1289.44977 1327.199455 1380.843745 1465.28383 1535.816136 1635.157413 1754.366945 1832.846553 1845.760919	nt
	Temperature (dec 80 90 100 115 120 125 130 135	1.694 1.614 1.508 1.426  f=15kHz  R_4 (k ohms) 1.303 1.338 1.392 1.482 1.55 1.648 1.77 1.858 1.868 1.78	550 450 650 1150 C_4 (pF) 350 350 350 300 300 650 250 450	1796.090281 1682.841226 1603.368204 1498.066451 1416.606604  Dielectric Consta 1294.416834 1329.186281 1382.83057 1472.237719 1539.789787 1637.144238 1758.340596 1845.760919 1847.747745		140 145 150 155 160  Temperature (deg 80 90 100 110 115 120 125 130 135	1.872 1.786 1.682 1.584 1.494 1.414 f=20kHz R_4 (k ohms) 1.298 1.336 1.39 1.475 1.546 1.646 1.766 1.845	500 300 250 300 350 850  C_4 (pF) 300 300 300 300 250 250 450 400 250	1859.668698 1774.2352 1670.920272 1573.565821 1484.158672 1404.685651 Dielectric Consta 1289.44977 1327.199455 1380.843745 1465.28383 1535.816136 1635.157413 1754.366945 1832.846553 1845.760919 1762.314247	nt
160 1.408 300 1398.725174 160 1.404 250 1394.751523	Temperature (dec 80 90 100 115 120 125 130 135 140	1.694 1.614 1.508 1.426  f=15kHz  R_4 (k ohms) 1.303 1.338 1.392 1.482 1.55 1.648 1.77 1.858 1.868 1.78	550 450 450 650 1150  C_4 (pF) 350 350 350 300 300 650 250 450 250	1796.090281 1682.841226 1603.368204 1498.066451 1416.606604  Dielectric Consta 1294.416834 1329.186281 1382.83057 1472.237719 1539.789787 1637.144238 1758.340596 1845.760919 1847.747745 1768.274723 1668.933447		140 145 150 155 160  Temperature (deg 80 90 100 110 115 120 125 130 135 140 145	1.872 1.786 1.682 1.584 1.494 1.414 f=20kHz R_4 (k ohms) 1.298 1.336 1.39 1.475 1.546 1.646 1.766 1.845 1.858	500 300 250 300 350 850  C_4 (pF) 300 300 300 300 250 250 450 400 250 150	1859.668698 1774.2352 1670.920272 1573.565821 1484.158672 1404.685651 Dielectric Consta 1289.44977 1327.199455 1380.843745 1465.28383 1535.816136 1635.157413 1754.366945 1832.846553 1845.760919 1762.314247 1662.97297	nt
	Temperature (dec 80 90 100 115 125 130 135 140 145 150	1.694 1.614 1.508 1.426  f=15kHz  R_4 (k ohms) 1.303 1.338 1.392 1.482 1.55 1.648 1.77 1.858 1.86 1.78 1.68 1.58	550 450 450 650 1150  C_4 (pF) 350 350 300 300 650 250 450 250 250	Dielectric Consta 1294.416834 1329.186281 1329.186281 1329.186281 1329.186281 1382.83057 1472.237719 1539.789787 1637.144238 1758.340596 1845.760919 1847.747745 1768.274723 1668.933447		140 145 150 155 160  Temperature (dec 80 90 100 110 115 120 125 130 135 140 145	1.872 1.786 1.682 1.584 1.494 1.414  f=20kHz R_4 (k ohms) 1.298 1.336 1.39 1.475 1.546 1.646 1.766 1.845 1.858 1.774 1.674 1.674	500 300 250 300 350 850  C_4 (pF) 300 300 300 300 250 250 450 400 250 150	1859.668698 1774.2352 1670.920272 1573.565821 1484.158672 1404.685651 Dielectric Consta 1289.44977 1327.199455 1380.843745 1465.28383 1535.816136 1635.157413 1754.366945 1832.846553 1845.760919 1762.314247 1662.97297 1565.618519	nt