

Ultra-Small Ceramic



00(\$9:7
00(\$9:

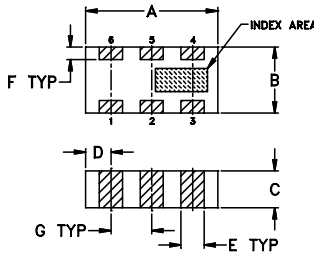
2 Way-0° 50Ω 3700 to 4200 MHz

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/0&0)(,00001/0&0)2&000 000300)*000030
0)*&000001/0&0)2&000 000300)*000030
0*40&00,/2)000*000/-()0&0 056010+0

*derate linearly to 1.3W at 100°C ambient, power input as combiner is limited by rating of external 100 Ω resistor.

0000 0000000000
00000 000
0 00000 0
0 000 0
!0 0*#00 0\$%\$0
0 00000 0 &0'(*)&00+0&0-00000 .00

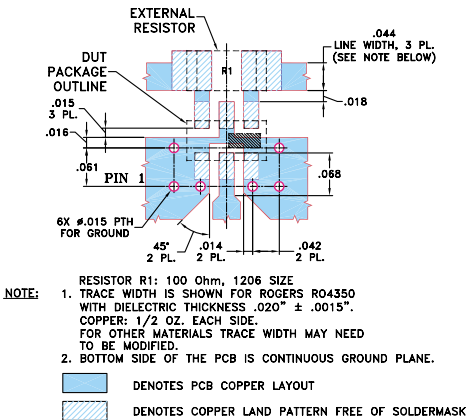
100 0000000000*



SUGGESTED LAYOUT FOR PCB PATTERN
PATTERN TO BE WITHIN ±.002

100	0000000000	000	0000000000	000	mm
0	=	0	#	0	0
00 0	000%	00%8	00 0	00	000
3.20	1.60	0.94	0.61	0.56	0.30
!	.	F	G	4)	
00%0	000	00 0	00 %	0&01'	00 0
0.99	1.07	0.61	3.12		

Demo Board MCL P/N: TB-252
Suggested PCB Layout (PL-129)



00000000
:0 (*-0)(*)&0'(*)*&00+0&0-00000*;'
:0 -*40('0&0)(*)&0-***\$00080<=0)>/0
:0 0+?0--0,)001/-()2<002,@0-0,?0\$0000<0000)>/0
:0 0+?0--0,)0/;0'002,@0-0,?0\$00000<0000)>/0
:0 ;(0;0'(*)&0)(*)&0 0<=0)>/0
:0 0+?0--0,)0/*40&0;0,<-(,0\$00500'0/-()0&0
:0 '10--0'(A0\$0000 BC0000BC0000%60B
:0 00#0),*,0'0,'0(D0
:0)01/0&0)2&00'0@-0000000?;*,*0>
:0 4&0/00&*2,<0)0&1(,0)(*,'0E*&00+?0--0,)0*-<0&0@(-)>
:0 -*40(*)
:0 /0)0,)0/0,<0

& 00000000

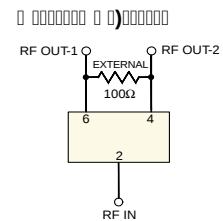
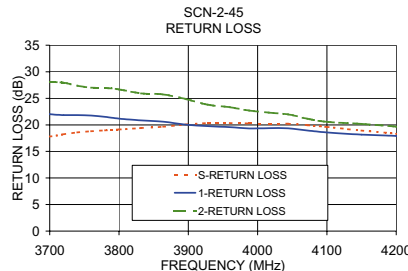
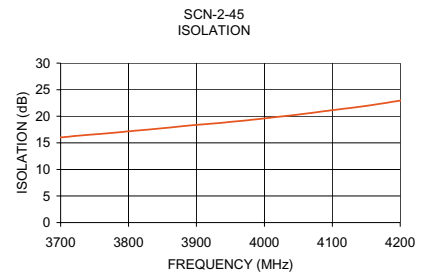
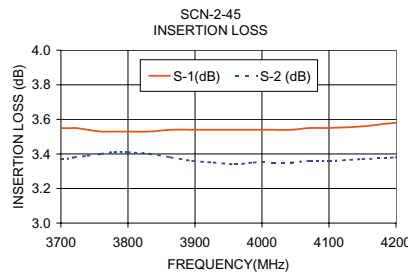
:0 10&0)(1001*@(0

0 0000000. 00000000 000000/ 00000000

01.1 01+	0-.5'0 6 000000	00.1-0010011000 0''#0 .03+40''#	001&0010 0''#0	00&0.0 '0#&!&0 . 000*000 0	&00!000. '0#&!&0 . 0''#0	-0'-0!100 0''#0
0 00''0 000 0700	3844\$9(440 %7000000000	4+80 %40 0080 00000	(40 %30 0 000	%+:0 90 0000 00	4+0 4490 000 00000	%690 08

00000 00000000000000000000

0000000000 0000	00 0000000000 0''#0 0\$%	0''#0 0\$(\$	&0 000''0 '000 0000 0''#0	0 0 00000 0''#0	0)0 0 '000 0000 0''#*+0	-000000!0 0''#0	%	(
0 %8000000	%6000	%60%80	00070	0000000	00080	080700	00 0	70000
0 %8 00000	%6000	%60%70	00080	000 70	00000	070 00	00700	80000
0 %8000000	%6000	%60%60	00000	0000000	00000	070070	007%0	80%600
0 %8000000	%600%0	%60000	000%0	0000000	00000	070700	00880	800 0
0 %8700000	%600%0	%60000	000 0	0000000	00000	070000	000 0	00000
0 %7000000	%600%0	%60000	000 0	0800000	00%00	0000 0	00080	00000
0 %7000000	%60000	%60%70	00000	0800 0	00000	0000080	00000	00800
0 %7000000	%60000	%60%60	00070	070%0%0	00000	000000	00000	00700
0 %6000000	%60000	%60%60	00000	0000000	00 00	00%00	000000	%60%960
0 00000000	%60000	%60%60	00000	00007%0	00%00	00 00	000%00	0%600
0 00000000	%60000	%60%60	00000	00 00	00%00	00 00	000%00	00070
0 008 0000	%60000	%60%60	00000	000070	00%00	000000	070000	00000
0 00000000	%60000	%60%60	00000	000000	00%70	000000	070000	00080
0 00000000	%60000	%60%68	00000	00000	00000	070000	070000	00080
0 00000000	%60070	%60%70	00000	00080	00000	070%00	0800 0	000000



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