

SCLF-550+
SCLF-550

+RoHS Compliant

The +Suffix identifies RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications

Permanent damage may occur if any of these limits are exceeded.

GROUND	2,3,4,5,6,7
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Suggested Layout,
Tolerance to be within $\pm .002$

A	B	C	D	E	F	G
0.75	0.38	0.28	0.01	0.05	0.02	0.2
19.05	9.65	7.11	0.25	1.27	0.51	5.08

NOTES:

1. TRACE WIDTH IS SHOWN FOR ROGERS RO4350B WITH DIELECTRIC THICKNESS .030" .002" COPPER: 1/2 OZ EACH SIDE.
FOR OTHER MATERIALS TRACE WIDTH MAY NEED TO BE MODIFIED.
2. BOTTOM SIDE OF THE PCB IS CONTINUOUS GROUND PLANE.

	DENOTES PCB COPPER LAYOUT WITH SMOBC (SOLDER MASK OVER BARE COPPER)
	DENOTES COPPER LAND PATTERN FREE OF SOLDER MASK



C. The parts covered by this specification document are subject to Mini-Circuits standard limited warranty and terms and conditions (collectively, "Standard Terms"); Purchasers of this part are entitled to the rights and benefits contained therein. For a full statement of the Standard Terms and the exclusive rights and remedies thereunder, please visit Mini-Circuits' website at www.minicircuits.com/MCIStore/terms.iso

- harmonic rejection of VCOs

Parameter	F#	Frequency (MHz)	Min.	Typ.	Max.	Unit	
Pass Band	Insertion Loss	DC-F1	DC-550	—	—	1.0	dB
	Freq. Cut-Off	F2	605	—	3.0	—	dB
	VSWR	DC-F1	DC-550	—	1.7	—	:1
Stop Band	Rejection Loss	F3-F4	800-1050	20	—	—	dB
		F4-F5	1050-2000*	40	—	—	dB
	VSWR	F3-F5	800-2000	—	18	—	:1

* Loss > 35 dB

Frequency (MHz)	Insertion Loss (dB)	Return Loss (dB)	Frequency (MHz)	Group Delay (nsec)
	$\bar{x}$	σ		
10.00	0.03	0.00	10.00	1.66
84.40	0.08	0.00	11.85	1.74
158.80	0.13	0.00	13.97	1.78
233.10	0.20	0.01	16.35	1.84
307.50	0.25	0.01	19.44	1.70
381.90	0.29	0.01	22.93	1.69
456.30	0.44	0.02	27.05	1.67
550.00	0.70	0.02	31.90	1.67
605.00	2.21	0.29	37.63	1.68
660.00	9.74	0.62	44.38	1.70
688.00	14.38	0.63	52.35	1.70
716.00	18.81	0.64	61.74	1.70
744.00	23.02	0.63	72.83	1.69
772.00	27.05	0.64	85.90	1.70
800.00	30.94	0.66	100.21	1.70
828.00	34.76	0.71	118.20	1.71
872.40	40.79	0.84	137.89	1.72
916.80	47.07	1.09	162.64	1.74
961.20	54.10	1.62	189.73	1.75
1005.60	63.67	3.21	223.79	1.79
1050.00	72.37	1.21	261.07	1.82
1100.00	68.33	2.87	307.93	1.89
1212.50	66.09	1.64	359.23	2.00
1325.00	71.09	2.35	423.71	2.19
1437.50	80.39	4.11	494.29	2.48
1550.00	73.52	3.11	550.00	3.12
1662.50	66.16	1.26	605.00	4.08
1775.00	63.13	0.38	800.00	1.20

