

Surface Mount

Power Splitter/Combiner

2 Way-0° 50Ω

800 to 980 MHz

LRPS-2-980+
LRPS-2-980

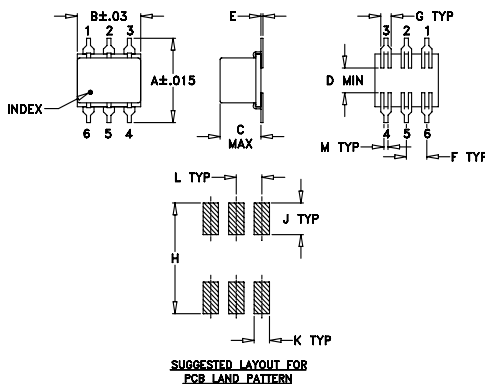
Maximum Ratings

Operating Temperature	-40°C to 85°C
Storage Temperature	-55°C to 100°C
Power Input (as a splitter)	1W max.
Internal Dissipation	0.125W max.

Pin Connections

SUM PORT	6
PORT 1	4
PORT 2	3
GROUND	1
NOT USED	2,5

Outline Drawing

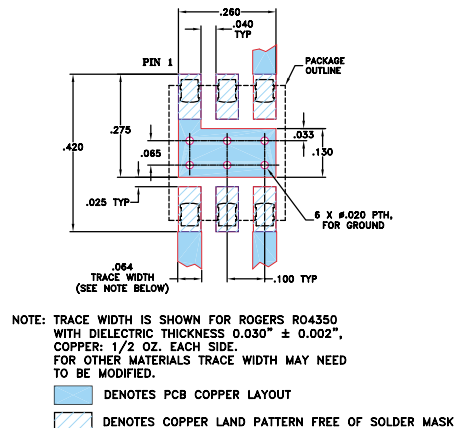


Outline Dimensions (inch mm)

A	B	C	D	E	F	G
.400	.31	.200	.10	.010	.100	.050
10.16	7.87	5.08	2.54	0.25	2.54	1.27

H	J	K	L	M	wt
.420	.120	.060	.100	.020	grams
10.67	3.05	1.52	2.54	0.51	0.55

Demo Board MCL P/N: TB-94 Suggested PCB Layout (PL-058)



Features

- low insertion loss, 0.5 dB typ.
- high isolation, 30 dB typ.

Applications

- cellular



CASE STYLE: QQQ130
PRICE: \$8.95 ea. QTY(10-49)

+ RoHS compliant in accordance
with EU Directive (2002/95/EC)

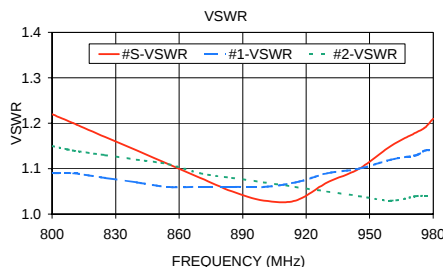
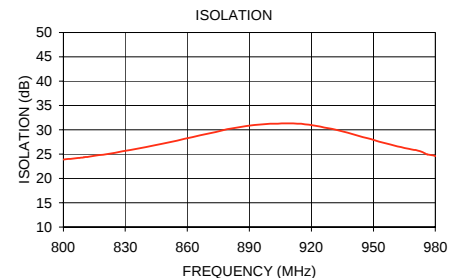
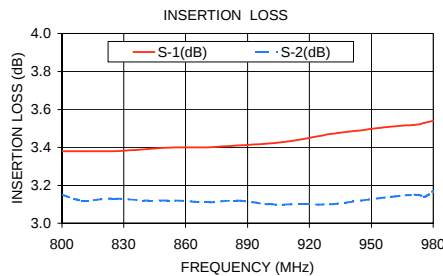
See our web site for RoHS Compliance methodologies and qualifications.

Splitter Electrical Specifications

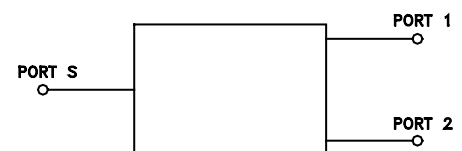
FREQ. RANGE (MHz)	ISOLATION (dB)	INSERTION LOSS (dB) ABOVE 3.0 dB	PHASE UNBALANCE (Degrees)	AMPLITUDE UNBALANCE (dB)
f_L - f_U	Typ. Min.	Typ. Max.	Max.	Max.
800-980	30 18	0.5 1.0	3.0	0.5

Typical Performance Data

Frequency (MHz)	Insertion Loss (dB) S-1	Insertion Loss (dB) S-2	Amplitude Unbalance (dB)	Isolation (dB)	Phase Unbalance (deg.)	VSWR S	VSWR 1	VSWR 2
800.00	3.38	3.15	0.23	23.91	0.02	1.22	1.09	1.15
810.00	3.38	3.12	0.25	24.32	0.04	1.20	1.09	1.14
825.00	3.38	3.13	0.25	25.28	0.06	1.17	1.08	1.13
840.00	3.39	3.12	0.27	26.45	0.02	1.14	1.07	1.12
855.00	3.40	3.12	0.27	27.78	0.07	1.11	1.06	1.11
870.00	3.40	3.11	0.29	29.20	0.14	1.08	1.06	1.09
885.00	3.41	3.12	0.29	30.54	0.41	1.05	1.06	1.08
900.00	3.42	3.10	0.32	31.21	0.63	1.03	1.06	1.07
915.00	3.44	3.10	0.34	31.21	0.69	1.03	1.07	1.06
930.00	3.47	3.10	0.37	30.16	0.91	1.07	1.09	1.05
945.00	3.49	3.12	0.37	28.51	1.01	1.10	1.10	1.04
960.00	3.51	3.14	0.38	26.75	1.14	1.15	1.12	1.03
972.00	3.52	3.15	0.38	25.64	1.36	1.18	1.13	1.04
976.00	3.53	3.14	0.40	24.96	1.31	1.19	1.14	1.04
980.00	3.54	3.17	0.38	24.61	1.50	1.21	1.14	1.04



electrical schematic



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