

Surface Mount Power Splitter/Combiner

LRPQ-980+ LRPQ-980

2 Way-90° 50Ω 820 to 980 MHz



CASE STYLE: QQQ130
PRICE: contact sales dept.

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

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

Maximum Ratings

Operating Temperature	-40°C to 85°C
Storage Temperature	-55°C to 100°C
Power Input (as a splitter)	1W max.
Permanent damage may occur if any of these limits are exceeded.	

Pin Connections

SUM PORT	6
PORT 1 (0°)	4
PORT 2 (+90°)	1
GROUND	2,5
50 OHM TERM EXTERNAL	3

Features

- low insertion loss, 0.15 dB typ.
- excellent phase unbalance 1 deg. typ.
- aqueous washable

Applications

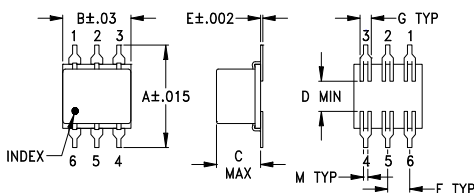
- land mobile
- ISM

Electrical Specifications

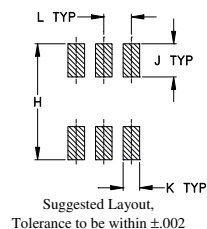
FREQ. RANGE (MHz)	ISOLATION (dB)	INSERTION LOSS (dB) Avg. of Coupled Outputs less 3 dB	PHASE UNBALANCE (Degrees)	AMPLITUDE UNBALANCE (dB)
f_L - f_U	Typ. Min.	Typ. Max.	Max.	Max.
820-980	28 20	0.15 0.5	4	1.0

LRPQ units have bottom barrier ground plane insulated with glass barrier.

Outline Drawing



PCB Land Pattern

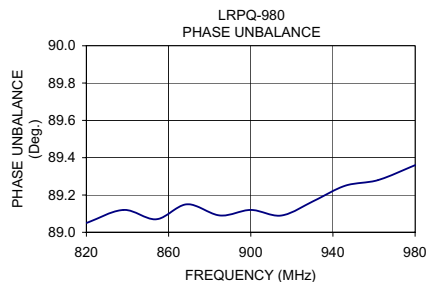
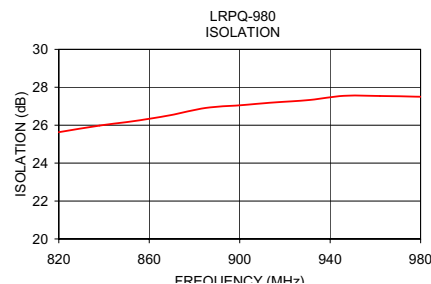
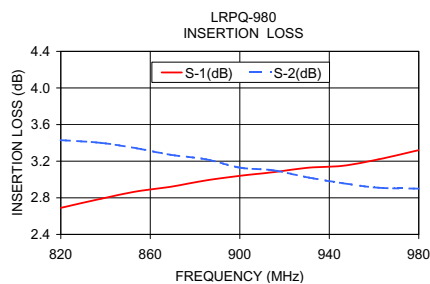


Outline Dimensions (inch/mm)

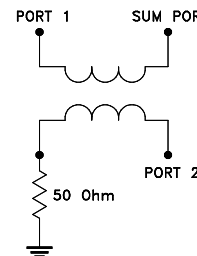
A	B	C	D	E	F	G
.400	.31	.200	.10	.010	.100	.050
10.16	7.87	5.08	2.54	0.25	2.54	1.27
H	J	K	L	M	wt	
.420	.120	.060	.100	.020		
10.67	3.05	1.52	2.54	0.51		0.55 grams

Typical Performance Data

Frequency (MHz)	Insertion Loss (dB)		Amplitude Unbalance (dB)	Isolation (dB)	Phase Unbalance (deg.)	VSWR S	VSWR 1	VSWR 2
	S-1	S-2						
820.00	2.69	3.43	0.74	25.63	89.05	1.07	1.11	1.08
838.00	2.79	3.40	0.61	25.98	89.12	1.06	1.11	1.08
854.00	2.87	3.34	0.47	26.23	89.07	1.06	1.11	1.08
869.00	2.92	3.27	0.35	26.52	89.15	1.06	1.11	1.07
885.00	2.99	3.22	0.23	26.91	89.09	1.05	1.11	1.07
900.00	3.04	3.13	0.09	27.05	89.12	1.05	1.11	1.07
915.00	3.08	3.10	0.02	27.20	89.09	1.05	1.11	1.07
931.00	3.13	3.02	0.11	27.33	89.17	1.05	1.11	1.08
946.00	3.15	2.96	0.19	27.55	89.25	1.05	1.11	1.08
962.00	3.22	2.91	0.31	27.54	89.28	1.05	1.11	1.08
980.00	3.32	2.90	0.42	27.50	89.36	1.05	1.11	1.08



electrical schematic



For detailed performance specs & shopping online see web site

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IFIRF MICROWAVE COMPONENTS

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