Plug-In

Power Splitter/Combiner

PSCQ-2-32+

2 Way-90° 50Ω 3.2 to 32 MHz

CASE STYLE: A01
PRICE: $95.45 ea. QTY. (1-9)

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

Maximum Ratings

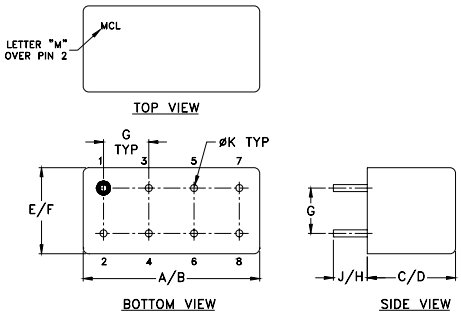
Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
Power Input (as a splitter)	50mW max.
Internal Dissipation	0.125W max.

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

Pin Connections

SUM PORT	1
PORT 1 (+90°)	2
PORT 2 (0°)	5
GROUND	3,4,7,8
CASE GROUND	3,4,7,8
NOT USED	6

Outline Drawing



Outline Dimensions (inch / mm)

A	B	C	D	E	F
.770	.800	.385	.400	.370	.400
19.56	20.32	9.78	10.16	9.40	10.16
G	**H**	**J**	**K**		**wt**
.200	.20	.14	.031		grams
5.08	5.08	3.56	0.79		5.2

Features

- low insertion loss, 0.4 dB typ.
- excellent isolation, 32 dB typ.
- low amplitude unbalance, 0.4 dB max.
- rugged shielded case

Applications

- modulators
- balanced amplifiers

Electrical Specifications

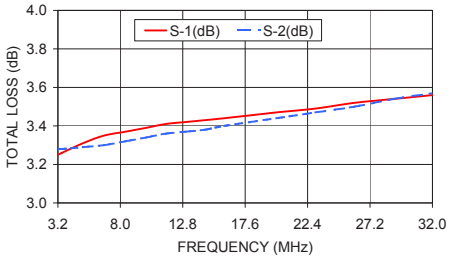
FREQ. RANGE (MHz)	ISOLATION (dB)		INSERTION LOSS (dB) Avg. of Coupled Outputs ABOVE 3 dB		PHASE UNBALANCE (Degrees)	AMPLITUDE UNBALANCE (dB)
f_L-f_U	Typ.	Min.	Typ.	Max.	Max.	Max.
3.2-32	32	25	0.4	0.8	5	0.4

Typical Performance Data

Frequency (MHz)	Total Loss[1] (dB)		Amplitude Unbalance (dB)	Isolation (dB)	Phase Unbalance (deg.)	VSWR S	VSWR 1	VSWR 2
	S-1	S-2						
3.20	3.25	3.28	0.03	36.38	91.71	1.22	1.02	1.09
3.50	3.26	3.28	0.02	36.30	92.38	1.23	1.02	1.09
5.13	3.31	3.29	0.02	36.35	92.00	1.23	1.05	1.08
6.75	3.35	3.30	0.04	36.23	90.01	1.21	1.07	1.07
8.38	3.37	3.32	0.05	36.08	88.50	1.20	1.10	1.07
10.00	3.39	3.34	0.06	35.89	87.73	1.18	1.11	1.07
11.50	3.41	3.36	0.05	35.69	87.58	1.18	1.12	1.08
13.00	3.42	3.37	0.05	35.47	87.77	1.18	1.13	1.09
14.50	3.43	3.38	0.04	35.25	88.12	1.19	1.14	1.10
16.00	3.44	3.40	0.04	35.02	88.60	1.21	1.14	1.11
20.00	3.47	3.44	0.03	34.40	89.80	1.27	1.16	1.14
23.00	3.49	3.47	0.02	33.95	90.44	1.31	1.17	1.17
26.00	3.52	3.50	0.01	33.49	90.71	1.36	1.18	1.20
29.00	3.54	3.54	0.00	33.04	90.63	1.40	1.18	1.23
32.00	3.56	3.57	0.01	32.62	90.24	1.43	1.19	1.26

1. Total Loss = Insertion Loss + 3dB splitter loss.

PSCQ-2-32+
TOTAL LOSS



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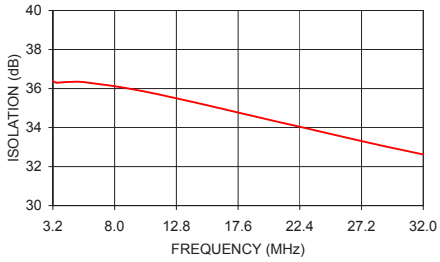
ISOLATION



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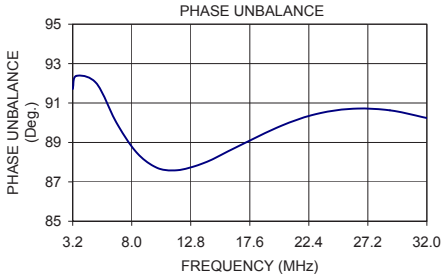
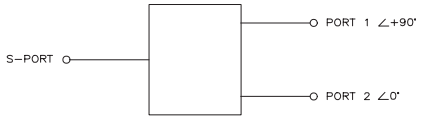
PHASE UNBALANCE



electrical schematic



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