

Plug-In

Power Splitter/Combiner

2 Way-90° 50Ω 2 to 8 MHz

PSCQ-2-8



CASE STYLE: A01
PRICE: \$56.45 ea. QTY. (1-9)

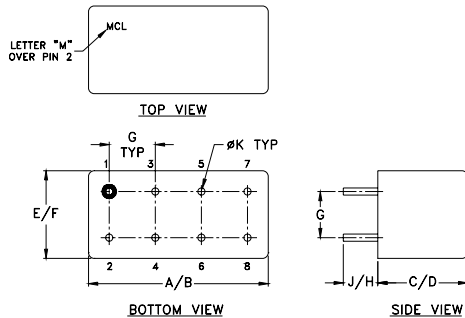
Maximum Ratings

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.

Pin Connections

SUMPORT	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, 0.3 dB typ.
- high isolation, 36 dB typ.
- low amplitude unbalance, 0.5 dB max.
- rugged shielded case

Applications

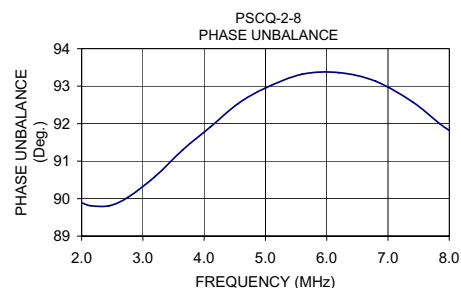
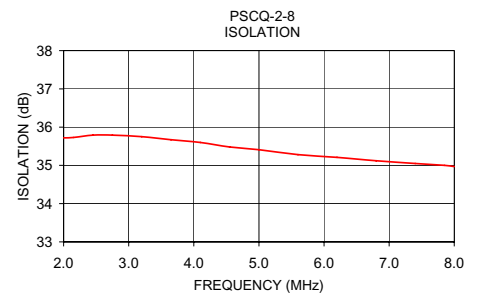
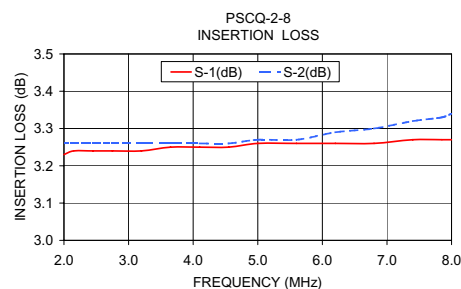
- modulators
- balanced amplifiers

Splitter 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.
2-8	36	27	0.3	0.7	6	0.5

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						
2.00	3.23	3.26	0.02	35.72	89.89	1.22	1.21	1.24
2.15	3.24	3.26	0.02	35.73	89.81	1.21	1.20	1.24
2.45	3.24	3.26	0.02	35.79	89.81	1.21	1.18	1.25
2.75	3.24	3.26	0.02	35.79	90.03	1.20	1.16	1.26
3.20	3.24	3.26	0.02	35.75	90.59	1.20	1.13	1.27
3.65	3.25	3.26	0.02	35.67	91.30	1.19	1.11	1.27
4.10	3.25	3.26	0.01	35.60	91.91	1.18	1.10	1.27
4.55	3.25	3.26	0.01	35.48	92.53	1.18	1.09	1.27
5.00	3.26	3.27	0.01	35.41	92.95	1.17	1.08	1.26
5.60	3.26	3.27	0.01	35.28	93.32	1.17	1.09	1.24
6.20	3.26	3.29	0.02	35.21	93.36	1.17	1.09	1.23
6.80	3.26	3.30	0.04	35.12	93.13	1.17	1.10	1.21
7.40	3.27	3.32	0.06	35.05	92.58	1.17	1.12	1.19
7.85	3.27	3.33	0.06	35.00	91.99	1.17	1.13	1.18
8.00	3.27	3.34	0.07	34.97	91.82	1.17	1.13	1.18



electrical schematic

