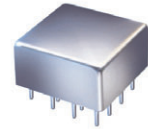


Plug-In

Power Splitter/Combiner

PSC-8-1+

8 Way-0° 50Ω 0.5 to 175 MHz



Maximum Ratings

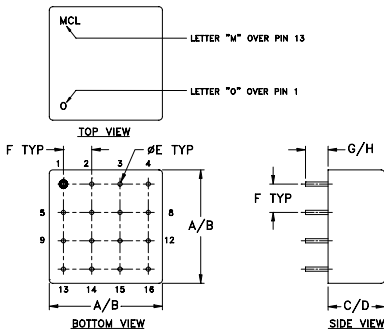
Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
Power Input (as a splitter)	1W max.
Internal Dissipation	0.62W max.

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

Pin Connections

SUM PORT	2
PORT 1	1
PORT 2	5
PORT 3	9
PORT 4	13
PORT 5	16
PORT 6	12
PORT 7	8
PORT 8	4
GROUND	3,6,7,14,15
CASE GROUND	3,6,7,14,15
NOT USED	10,11

Outline Drawing



Outline Dimensions (inch/mm)

A	B	C	D	E	F	G	H	wt
.770	.810	.380	.410	.030	.200	.20	.14	grams
19.56	20.57	9.65	10.41	0.76	5.08	5.08	3.56	11.0

Features

- low insertion loss, 0.8 dB typ.
- high isolation, 30 dB typ.
- excellent amplitude unbalance, 0.3 dB typ.
- rugged welded construction

Applications

- VHF
- radio communications
- instrumentation

CASE STYLE: C07
PRICE: \$79.45 ea. QTY. (1-9)

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

The +Suffix has been added in order to identify RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications.

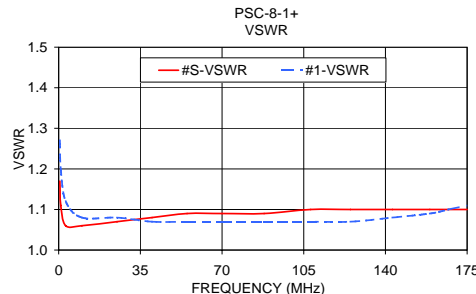
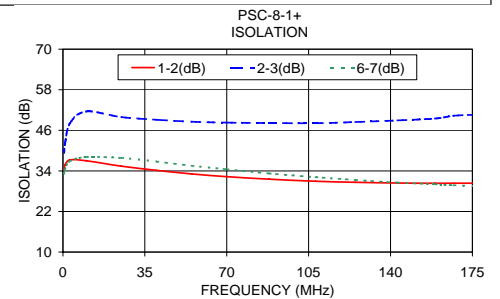
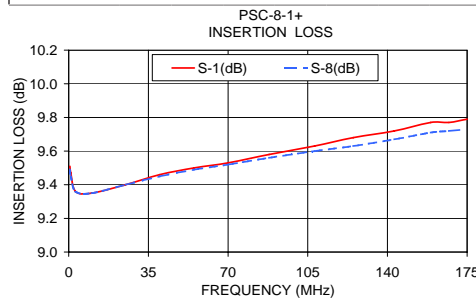
Electrical Specifications

FREQ. RANGE (MHz)	ISOLATION (dB)						INSERTION LOSS (dB) ABOVE 9.0 dB						PHASE UNBALANCE (Degrees)			AMPLITUDE UNBALANCE (dB)		
	L		M		U		L		M		U		L	M	U	L	M	U
	Typ.	Min.	Typ.	Min.	Typ.	Min.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Max.	Max.	Max.	Max.	Max.	Max.
f_L - f_U	30	25	30	20	25	18	0.8	1.2	0.8	1.2	1.0	1.6	1.0	2.5	5.0	0.2	0.3	0.5

L = low range [f_L to 10 f_L] M = mid range [10 f_L to $f_U/2$] U = upper range [$f_U/2$ to f_U]

Typical Performance Data

Freq. (MHz)	Insertion Loss (dB)						Amplitude Unbalance (dB)	Isolation (dB)				VSWR S	VSWR 1	VSWR 8
	S-1	S-2	S-3	S-4	S-6	S-8		1-2	2-3	5-8	6-7			
	0.50	9.51	9.51	9.51	9.51	9.49		9.49	0.03	34.29	39.36			
0.90	9.47	9.47	9.48	9.47	9.46	9.45	0.02	35.71	42.12	35.35	34.56	1.11	1.20	1.19
3.00	9.36	9.36	9.36	9.37	9.36	9.36	0.01	37.26	48.13	37.32	36.91	1.06	1.12	1.11
10.00	9.35	9.35	9.35	9.35	9.35	9.35	0.01	36.99	51.60	36.91	38.12	1.06	1.08	1.09
25.00	9.40	9.40	9.40	9.41	9.40	9.40	0.01	35.40	49.92	34.99	37.86	1.07	1.08	1.08
40.00	9.46	9.46	9.45	9.45	9.45	9.45	0.01	34.15	49.14	33.64	36.78	1.08	1.07	1.08
55.00	9.50	9.50	9.50	9.49	9.50	9.49	0.01	33.10	48.55	32.46	35.55	1.09	1.07	1.07
70.00	9.53	9.54	9.53	9.52	9.52	9.52	0.02	32.29	48.29	31.57	34.48	1.09	1.07	1.07
88.00	9.58	9.58	9.57	9.56	9.57	9.56	0.03	31.55	48.18	30.65	33.26	1.09	1.07	1.07
108.00	9.63	9.63	9.61	9.60	9.61	9.60	0.04	30.94	48.12	29.97	32.15	1.10	1.07	1.07
125.00	9.68	9.67	9.65	9.64	9.65	9.63	0.05	30.63	48.46	29.55	31.34	1.10	1.07	1.07
143.00	9.72	9.72	9.69	9.67	9.69	9.67	0.05	30.41	48.94	29.29	30.56	1.10	1.08	1.07
159.00	9.77	9.76	9.73	9.70	9.73	9.71	0.07	30.34	49.48	29.19	30.05	1.10	1.09	1.08
167.00	9.77	9.77	9.74	9.71	9.74	9.72	0.07	30.36	50.33	29.19	29.77	1.10	1.10	1.09
175.00	9.79	9.79	9.76	9.72	9.77	9.73	0.07	30.36	50.58	29.22	29.59	1.10	1.11	1.09



electrical schematic



For detailed performance specs & shopping online see web site



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