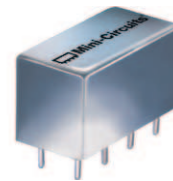


Plug-In

Power Splitter/Combiner

4 Way-0° 75Ω 1 to 200 MHz

PSC-4-1-75+



CASE STYLE: A01
PRICE: \$38.20 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)	1W max.
Internal Dissipation	0.250W max.
Permanent damage may occur if any of these limits are exceeded.	

Pin Connections

SUM PORT	4
PORT 1	7
PORT 2	8
PORT 3	1
PORT 4	2
GROUND	3,5,6
CASE GROUND	3,5,6

Features

- low insertion loss, 0.5 dB typ.
- good isolation, 30 dB typ.
- rugged welded construction

Applications

- HF/VHF
- amateur FM radio
- instrumentation

+RoHS Compliant

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

Electrical Specifications

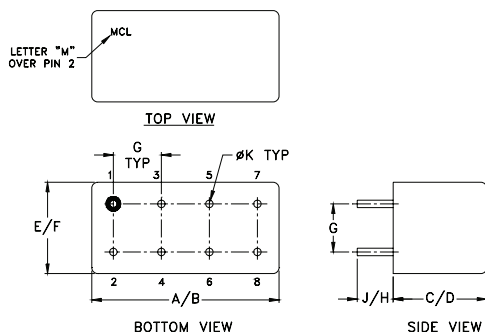
FREQ. RANGE (MHz)	ISOLATION (dB)						INSERTION LOSS (dB) ABOVE 6.0 dB						PHASE UNBALANCE (Degrees)			AMPLITUDE UNBALANCE (dB)		
	L		M		U		L		M		U		L		M		U	
f_L - f_U	Typ.	Min.	Typ.	Min.	Typ.	Min.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Max.	Max.	Max.	Max.	Max.	Max.
1-200	30	20	25	20	25	20	0.4	0.7	0.5	0.9	0.7	1.2	2	3	4	0.15	0.2	0.3

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

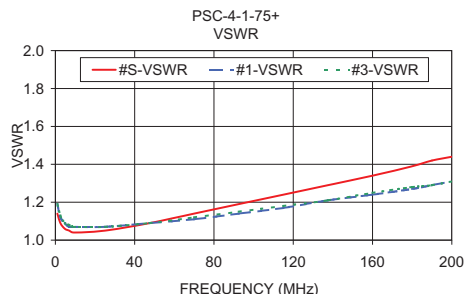
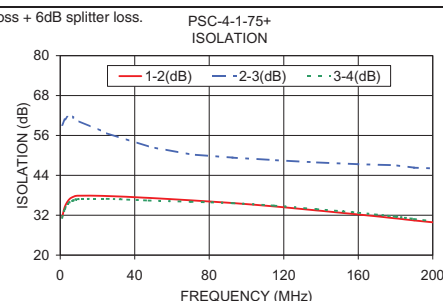
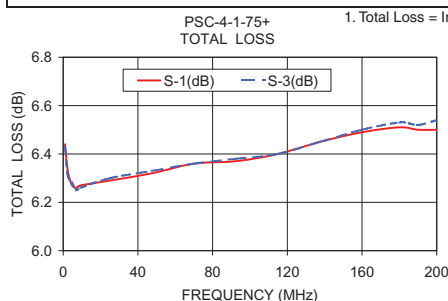
Freq. (MHz)	Total Loss ¹ (dB)				Amp. Unbal. (dB)	Isolation (dB)			Phase Unbal. (deg.)	VSWR				
	S-1	S-2	S-3	S-4		1-2	1-3	3-4		S	1	2	3	4
1.00	6.44	6.41	6.43	6.44	0.03	31.36	59.15	31.20	0.08	1.14	1.19	1.19	1.13	1.19
2.50	6.33	6.33	6.31	6.32	0.02	34.59	60.84	33.86	0.26	1.09	1.12	1.13	1.13	1.13
4.75	6.27	6.27	6.28	6.25	0.02	36.73	62.33	35.76	0.20	1.06	1.09	1.09	1.09	1.09
7.00	6.26	6.27	6.25	6.25	0.03	37.54	61.43	36.42	0.21	1.05	1.07	1.07	1.08	1.08
9.25	6.27	6.26	6.26	6.26	0.01	37.87	60.47	36.81	0.10	1.04	1.07	1.07	1.07	1.07
25.00	6.29	6.29	6.30	6.30	0.02	37.78	56.68	36.93	0.11	1.05	1.07	1.07	1.07	1.07
47.50	6.32	6.34	6.33	6.32	0.02	37.21	52.63	36.42	0.05	1.09	1.09	1.09	1.09	1.09
70.00	6.36	6.38	6.36	6.36	0.02	36.50	50.29	36.05	0.27	1.14	1.11	1.12	1.12	1.12
92.50	6.37	6.39	6.38	6.39	0.02	35.67	49.33	35.63	0.16	1.19	1.14	1.15	1.15	1.15
115.00	6.40	6.38	6.40	6.44	0.06	34.64	48.59	34.88	0.21	1.24	1.17	1.18	1.18	1.17
137.50	6.45	6.45	6.45	6.46	0.02	33.45	47.89	33.82	0.34	1.29	1.21	1.21	1.21	1.21
160.00	6.49	6.48	6.50	6.54	0.05	32.24	47.34	32.75	0.46	1.34	1.24	1.24	1.25	1.24
180.00	6.51	6.50	6.53	6.55	0.05	31.07	47.03	31.57	0.34	1.39	1.27	1.27	1.28	1.27
190.00	6.50	6.49	6.52	6.56	0.06	30.44	46.30	30.88	0.27	1.42	1.29	1.29	1.29	1.29
200.00	6.50	6.50	6.54	6.57	0.07	29.86	46.11	30.22	0.41	1.44	1.31	1.31	1.31	1.31

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



electrical schematic



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