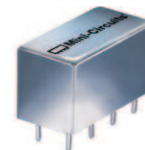


Plug-In

Power Splitter/Combiner

2 Way-0° 50Ω 1 to 650 MHz

PSC-2-1W+
PSC-2-1W



CASE STYLE: A01
PRICE: \$22.20 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)	1W max.
Internal Dissipation	0.125W max.

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

Pin Connections

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

Features

- wideband 1 to 650 MHz
- high isolation, 35 dB typ.
- low insertion loss, 0.5 dB typ.
- rugged welded construction

Applications

- VHF/UHF
- federal & communications

Electrical Specifications

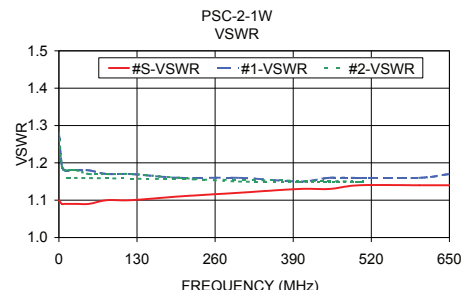
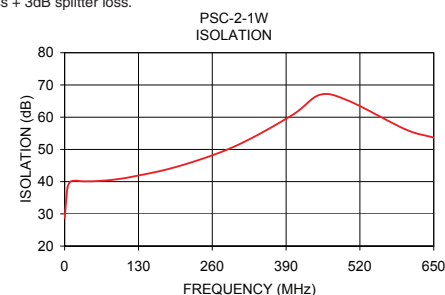
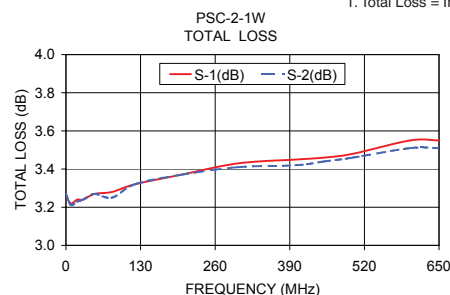
FREQ. RANGE (MHz)	ISOLATION (dB)						INSERTION LOSS (dB) ABOVE 3.0 dB						PHASE UNBALANCE (Degrees)			AMPLITUDE UNBALANCE (dB)		
	L		M		U		L		M		U		L		M		U	
f_L - f_U	Typ.	Min.	Typ.	Min.	Typ.	Min.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Max.	Max.	Max.	Max.	Max.	Max.
1-650	25	20	35	20	25	20	0.3	0.6	0.5	0.9	0.7	1.0	2.0	3.0	4.0	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]

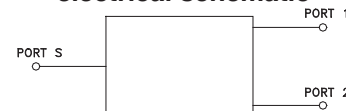
Typical Performance Data

Frequency (MHz)	Total Loss ¹ (dB)		Amplitude Unbalance (dB)	Isolation (dB)	Phase Unbalance (deg.)	VSWR S	VSWR 1	VSWR 2
	S-1	S-2						
1.00	3.27	3.27	0.00	28.70	0.04	1.10	1.28	1.28
5.00	3.23	3.23	0.00	38.10	0.04	1.09	1.19	1.19
10.00	3.22	3.21	0.01	39.97	0.11	1.09	1.18	1.18
20.00	3.24	3.23	0.01	40.31	0.13	1.09	1.18	1.18
30.00	3.24	3.24	0.00	40.12	0.09	1.09	1.18	1.18
50.00	3.27	3.27	0.00	40.12	0.15	1.09	1.18	1.17
80.00	3.28	3.25	0.03	40.49	0.16	1.10	1.17	1.17
120.00	3.32	3.32	0.01	41.56	0.17	1.10	1.17	1.17
200.00	3.37	3.37	0.00	44.76	0.04	1.11	1.16	1.16
300.00	3.43	3.41	0.01	50.97	0.22	1.12	1.16	1.15
400.00	3.45	3.42	0.03	60.57	0.13	1.13	1.15	1.15
450.00	3.46	3.44	0.02	66.96	0.21	1.13	1.16	1.15
500.00	3.48	3.46	0.02	65.07	0.18	1.14	1.16	1.15
600.00	3.55	3.51	0.04	56.23	0.18	1.14	1.16	1.16
650.00	3.55	3.51	0.03	53.68	0.36	1.14	1.17	1.16

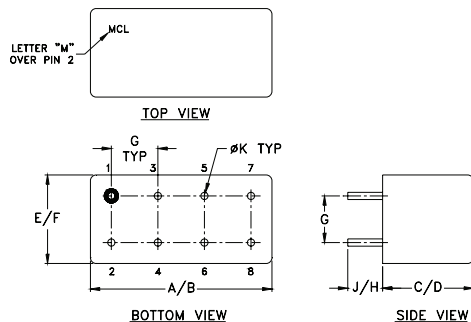
1. Total Loss = Insertion Loss + 3dB splitter loss.



electrical schematic



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		
.200	.20	.14	.031		
5.08	5.08	3.56	0.79		
				wt	
				grams	5.2

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