

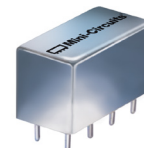
Plug-In

NON-CATALOG

Power Splitter/Combiner

2 Way-0° 50Ω 10 to 1400 MHz

PSC-2-5+



CASE STYLE: A01

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, 10 to 1400 MHz
- low insertion loss, 0.6 dB typ.
- rugged welded constructions

Applications

- cellular
- VHF/UHF
- GPS
- defense & federal communications

+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 3.0 dB						PHASE UNBALANCE (Degrees)			AMPLITUDE UNBALANCE (dB)		
	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.
10-1400	28	18	22	17	24	17	0.3	0.6	0.6	1.0	0.9	1.6	2.0	3.0	4.0	0.15	0.2	0.4

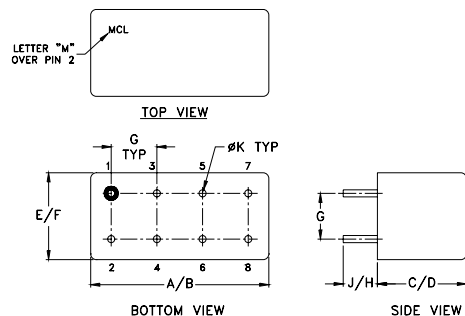
L = low range [f_L to 10 f_L] M = mid range [10 f_L to $f_U/2$] U = upper range [$f_U/2$ to f_U]

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						
10.00	3.45	3.46	0.01	30.32	0.11	1.17	1.22	1.22
30.00	3.44	3.42	0.03	36.20	0.16	1.09	1.20	1.20
60.00	3.40	3.40	0.01	38.99	0.21	1.08	1.19	1.19
100.00	3.41	3.41	0.01	39.84	0.03	1.08	1.18	1.18
150.00	3.41	3.44	0.03	39.30	0.23	1.09	1.18	1.17
200.00	3.46	3.42	0.04	37.96	0.25	1.09	1.17	1.16
250.00	3.44	3.45	0.01	36.62	0.03	1.10	1.16	1.15
350.00	3.48	3.47	0.01	34.23	0.21	1.11	1.15	1.14
450.00	3.52	3.47	0.05	32.55	0.67	1.12	1.14	1.13
550.00	3.56	3.56	0.00	31.77	0.60	1.12	1.14	1.12
600.00	3.60	3.55	0.05	31.60	0.58	1.12	1.13	1.12
675.00	3.65	3.59	0.06	31.53	0.52	1.12	1.13	1.12
900.00	3.77	3.72	0.06	32.95	0.83	1.13	1.15	1.15
1200.00	4.02	3.95	0.07	32.83	0.56	1.11	1.21	1.25
1400.00	4.25	4.11	0.14	26.89	0.75	1.09	1.27	1.33

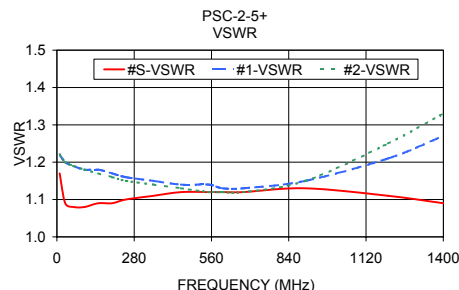
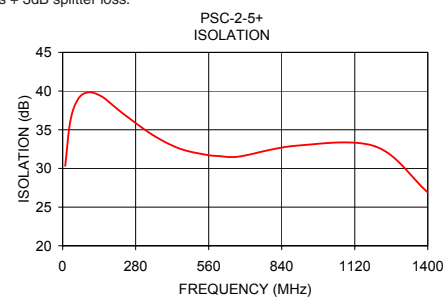
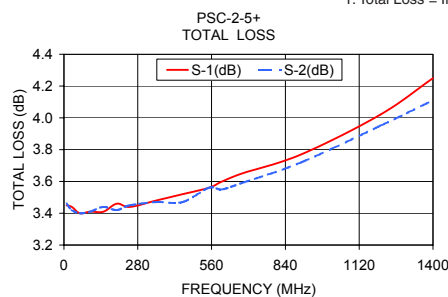
1. Total Loss = Insertion Loss + 3dB splitter loss.

Outline Drawing



Outline Dimensions (inch)

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



Notes

- Performance and quality attributes and conditions not expressly stated in this specification document are intended to be excluded and do not form a part of this specification document.
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