

Plug-In

Power Splitter/Combiner

2 Way-0° 50Ω 10 to 1400 MHz

PSC-2-5+
PSC-2-5



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.

Pin Connections

SUMPORT	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

CASE STYLE: A01

PRICE: \$34.20 ea. QTY. (1-9)

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

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

Splitter Electrical Specifications

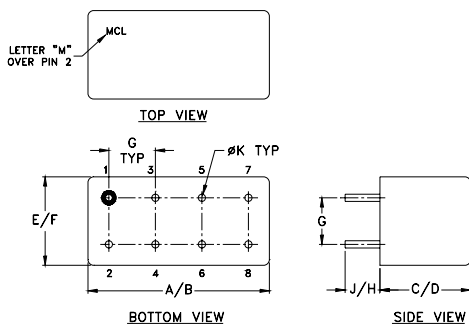
FREQ. RANGE (MHz)	ISOLATION (dB)						INSERTION LOSS (dB) ABOVE 3.0 dB						PHASE UNBALANCE (Degrees)			AMPLITUDE UNBALANCE (dB)		
	L		M		U		L		M		U		L		M		U	
	Typ.	Min	Typ.	Min	Typ.	Min	Typ.	Max.	Typ.	Max.	Typ.	Max.	Max.	Max.	Max.	Max.	Max.	Max.
10-1400	28	18	22	17	24	17	0.3	0.6	0.6	1.0	0.9	1.6	2.0	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

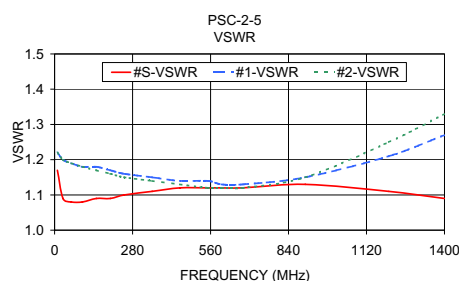
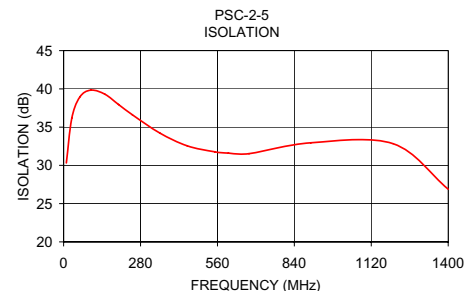
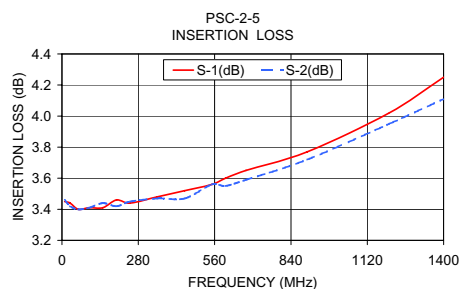
Frequency (MHz)	Insertion Loss (dB)		Amplitude Unbalance (dB)	Isolation (dB)	Phase Unbalance (deg.)	VSWR S	VSWR 1	VSWR 2
	S-1	S-2						
10.00	3.45	3.46	0.01	30.32	0.11	1.17	1.22	1.22
30.00	3.44	3.42	0.03	36.20	0.16	1.09	1.20	1.20
60.00	3.40	3.40	0.01	38.99	0.21	1.08	1.19	1.19
100.00	3.41	3.41	0.01	39.84	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

Outline Drawing

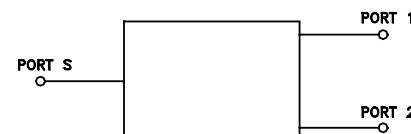


Outline Dimensions (inch/mm)

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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