

Plug-In

Power Splitter/Combiner

2 Way-0° 50Ω 0.1 to 400 MHz

PSC-2-1+
PSC-2-1



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, 0.1 to 400 MHz
- low insertion loss, 0.4 dB typ.
- rugged welded construction

Applications

- VHF/UHF
- federal & defense communications

CASE STYLE: A01

PRICE: \$14.20 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

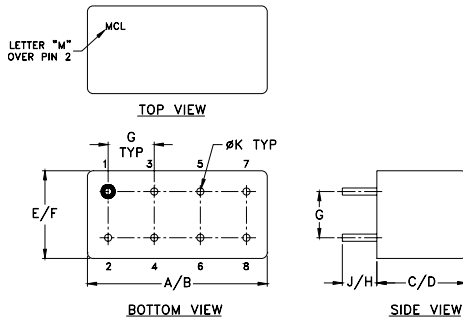
FREQ. RANGE (MHz)	ISOLATION (dB)						INSERTION LOSS (dB) ABOVE 3.0 dB						PHASE UNBALANCE (Degrees)			AMPLITUDE UNBALANCE (dB)		
	L		M		U		L		M		U		L		M		U	
	Typ.	Min	Typ.	Min	Typ.	Min	Typ.	Max.	Typ.	Max.	Typ.	Max.	Max.	Max.	Max.	Max.	Max.	Max.
f _L -f _U																		
0.1-400	20	15	25	20	25	20	0.2	0.6	0.4	0.75	0.6	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

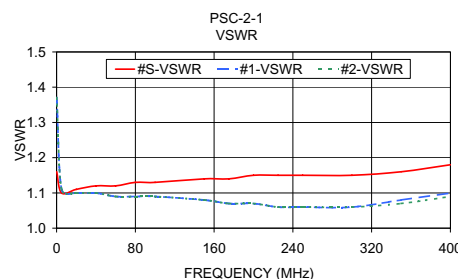
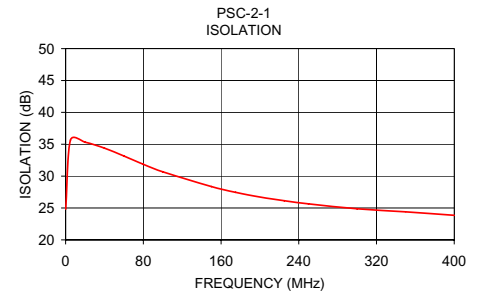
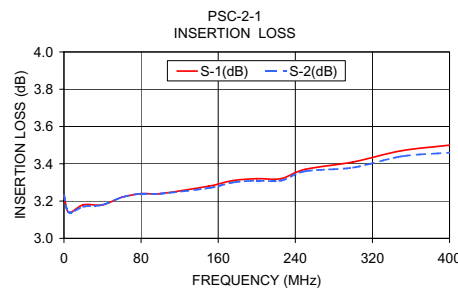
Frequency (MHz)	Insertion Loss (dB)		Amplitude Unbalance (dB)	Isolation (dB)	Phase Unbalance (deg.)	VSWR S	VSWR 1	VSWR 2
	S-1	S-2						
0.10	3.23	3.23	0.00	24.82	0.01	1.16	1.37	1.37
5.00	3.14	3.14	0.00	35.64	0.01	1.10	1.11	1.11
20.00	3.18	3.17	0.00	35.33	0.03	1.11	1.10	1.10
40.00	3.18	3.18	0.00	34.39	0.02	1.12	1.10	1.10
60.00	3.22	3.22	0.00	33.16	0.02	1.12	1.09	1.09
80.00	3.24	3.24	0.00	31.85	0.04	1.13	1.09	1.09
100.00	3.24	3.24	0.00	30.68	0.05	1.13	1.09	1.09
150.00	3.28	3.27	0.00	28.37	0.04	1.14	1.08	1.08
175.00	3.31	3.30	0.01	27.46	0.07	1.14	1.07	1.07
200.00	3.32	3.31	0.01	26.72	0.05	1.15	1.07	1.07
225.00	3.32	3.31	0.01	26.14	0.02	1.15	1.06	1.06
250.00	3.37	3.36	0.01	25.65	0.05	1.15	1.06	1.06
300.00	3.41	3.38	0.03	24.88	0.10	1.15	1.06	1.06
350.00	3.47	3.44	0.03	24.40	0.06	1.16	1.08	1.07
400.00	3.50	3.46	0.04	23.86	0.05	1.18	1.10	1.09

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



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