

Plug-In

Power Splitter/Combiner

2 Way-0° 75Ω 0.25 to 300 MHz

PSC-2-1-75+
PSC-2-1-75



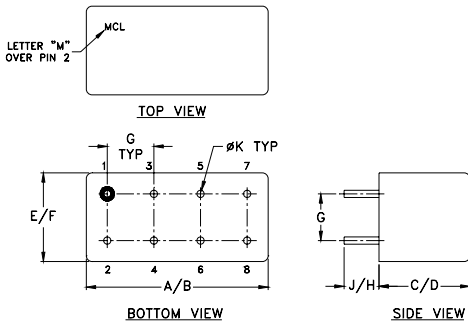
Maximum Ratings

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

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	

Features

- wideband, 0.25 to 300 MHz
- low insertion loss, 0.4 dB typ.
- rugged welded construction

Applications

- VHF/UHF
- federal & defense communications
- amateur radio

CASE STYLE: A01

PRICE: \$16.70 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.

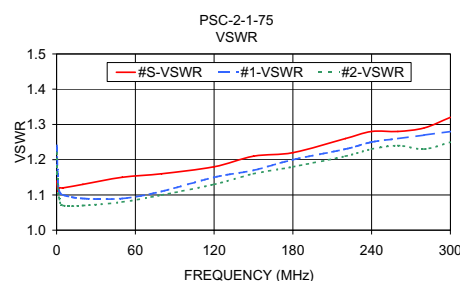
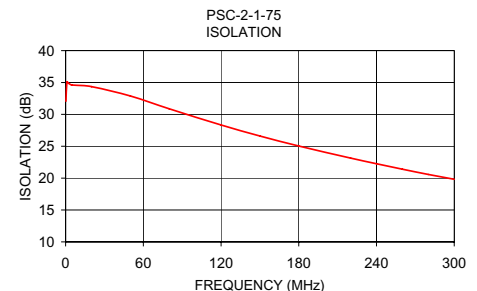
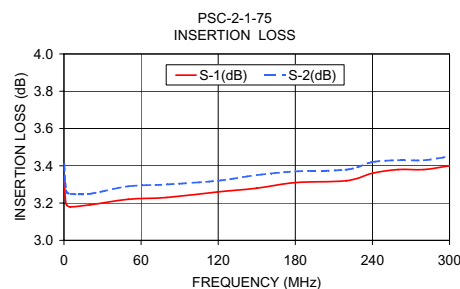
Splitter Electrical Specifications

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.
0.25-300	20	15	30	20	20	15	0.4	0.75	0.4	0.75	0.4	1.0	2.0	3.0	5.0	0.15	0.2	0.3

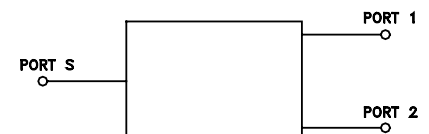
L = low range [f_L to 10 f_L] M = mid range [10 f_L to $f_U/2$] U = upper range [$f_U/2$ to f_U]

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						
0.25	3.34	3.41	0.07	32.06	0.01	1.14	1.24	1.22
1.00	3.23	3.31	0.08	35.10	0.02	1.11	1.14	1.12
2.00	3.19	3.26	0.08	34.92	0.05	1.12	1.11	1.09
5.00	3.18	3.25	0.07	34.60	0.01	1.12	1.10	1.07
20.00	3.19	3.25	0.07	34.35	0.01	1.13	1.09	1.07
50.00	3.22	3.29	0.07	32.89	0.05	1.15	1.09	1.08
80.00	3.23	3.30	0.07	30.87	0.09	1.16	1.11	1.10
120.00	3.26	3.32	0.06	28.34	0.13	1.18	1.15	1.13
150.00	3.28	3.35	0.07	26.60	0.15	1.21	1.17	1.16
180.00	3.31	3.37	0.06	25.04	0.16	1.22	1.20	1.18
220.00	3.32	3.38	0.06	23.14	0.25	1.26	1.23	1.21
240.00	3.36	3.42	0.06	22.26	0.29	1.28	1.25	1.23
260.00	3.38	3.43	0.06	21.40	0.30	1.28	1.26	1.24
280.00	3.38	3.43	0.05	20.58	0.29	1.29	1.27	1.23
300.00	3.40	3.45	0.05	19.82	0.32	1.32	1.28	1.25



electrical schematic



Mini-Circuits®

Distribution Centers NORTH AMERICA 800-654-7949 • 417-335-5935 • Fax 417-335-5945 • EUROPE 44-1252-832600 • Fax 44-1252-837010

Mini-Circuits ISO 9001 & ISO 14001 Certified

INTERNET <http://www.minicircuits.com>

P.O. Box 350166, Brooklyn, New York 11235-0003 (718) 934-4500 Fax (718) 332-4661

REV. A
M98898
PSC-2-1-75
HY/TD/CP/AM
060915