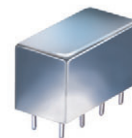


Plug-In

# Power Splitter/Combiner

## PSC-2-1-75+

2 Way-0° 75Ω 0.25 to 300 MHz



CASE STYLE: A01  
PRICE: \$16.70 ea. QTY. (1-9)

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

The +Suffix has been added in order to identify RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications.

### Maximum Ratings

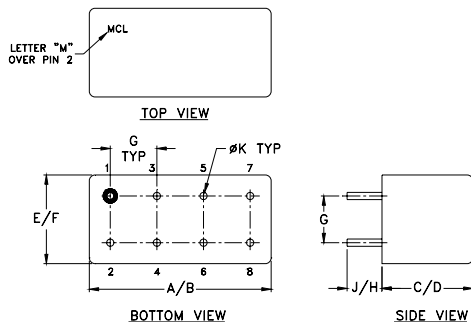
Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
Power Input (as a splitter)	1W max.
Internal Dissipation	0.125W max.

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

### 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	wt
G	H	J	K			grams
.200	.20	.14	.031			5.2
5.08	5.08	3.56	0.79			

### 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

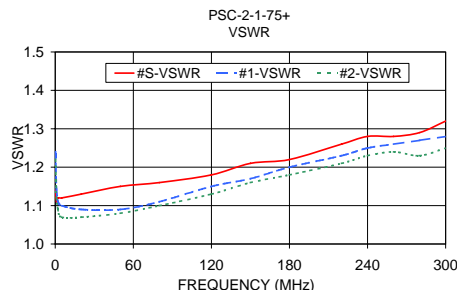
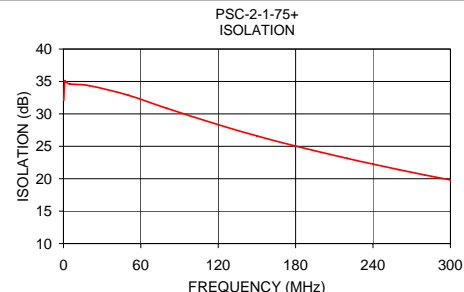
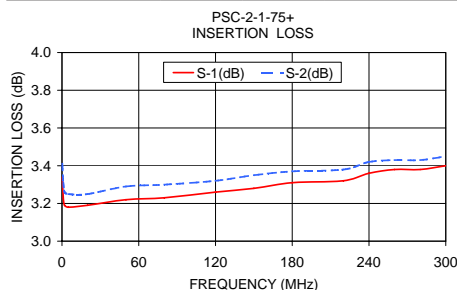
### Electrical Specifications

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	L	M	U	
	Typ.	Min.	Typ.	Min.	Typ.	Min.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Max.	Max.	Max.	Max.	Max.	Max.	
$f_L$ - $f_U$																			
0.25-300	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



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