

Plug-In

# Power Splitter/Combiner

PSC-2-45

2 Way-0° 50Ω

700 to 900 MHz

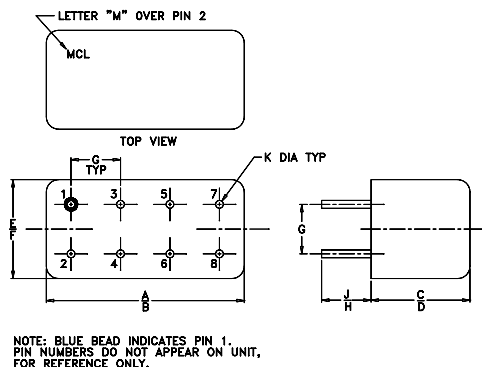
## Maximum Ratings

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

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

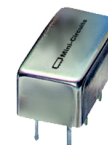
G	H	J	K	wt
.200	.20	.14	.031	grams
5.08	5.08	3.56	0.79	5.2

## Features

- low insertion loss, 0.2 dB typ.
- rugged welded construction

## Applications

- VHF
- cellular
- defense & federal communication



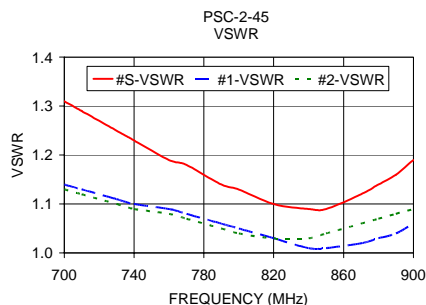
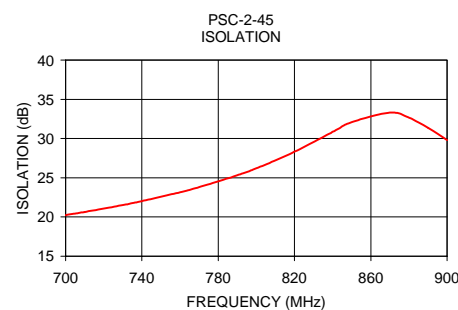
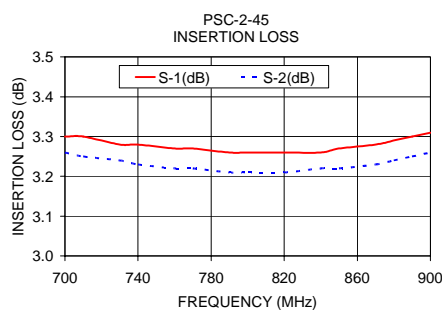
CASE STYLE: A01  
PRICE: \$27.20 ea. QTY (1-9)

## Splitter Electrical Specifications

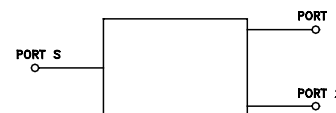
FREQ. RANGE (MHz)	ISOLATION (dB)	INSERTION LOSS (dB) ABOVE 3.0 dB	PHASE UNBALANCE (Degrees)	AMPLITUDE UNBALANCE (dB)
$f_L$ - $f_U$	Typ. Min.	Typ. Max.	Max.	Max.
700-900	20 17	0.2 0.4	3.0	0.2

## Typical Performance Data

Frequency (MHz)	Insertion Loss (dB) S-1	Insertion Loss (dB) S-2	Amplitude Unbalance (dB)	Isolation (dB)	Phase Unbalance (deg.)	VSWR S	VSWR 1	VSWR 2
700.00	3.30	3.26	0.05	20.22	0.47	1.31	1.14	1.13
710.00	3.30	3.25	0.04	20.63	0.49	1.29	1.13	1.12
730.00	3.28	3.24	0.05	21.52	0.51	1.25	1.11	1.10
740.00	3.28	3.23	0.05	22.02	0.52	1.23	1.10	1.09
760.00	3.27	3.22	0.05	23.15	0.53	1.19	1.09	1.08
770.00	3.27	3.22	0.05	23.80	0.54	1.18	1.08	1.07
790.00	3.26	3.21	0.05	25.31	0.56	1.14	1.06	1.05
800.00	3.26	3.21	0.05	26.20	0.56	1.13	1.05	1.04
820.00	3.26	3.21	0.05	28.32	0.58	1.10	1.03	1.03
840.00	3.26	3.22	0.05	30.85	0.61	1.09	1.01	1.03
850.00	3.27	3.22	0.05	32.10	0.62	1.09	1.01	1.04
870.00	3.28	3.23	0.05	33.32	0.65	1.12	1.02	1.06
880.00	3.29	3.24	0.05	32.67	0.65	1.14	1.03	1.07
890.00	3.30	3.25	0.05	31.37	0.66	1.16	1.04	1.08
900.00	3.31	3.26	0.05	29.82	0.68	1.19	1.06	1.09



## electrical schematic



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