

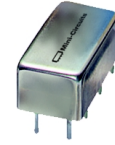
Plug-In

Power Splitter/Combiner

PSC-2-4+
PSC-2-4

2 Way-0° 50Ω

10 to 1000 MHz



CASE STYLE: A01
PRICE: \$28.20 ea. QTY (1-9)

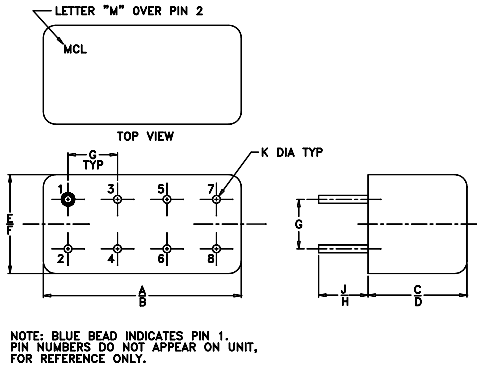
Maximum Ratings

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

- very wideband, 10 to 1000 MHz
- low insertion loss, 0.6 dB typ.
- rugged welded construction

Applications

- cellular
- VHF/UHF
- defense & federal communications

+ 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.

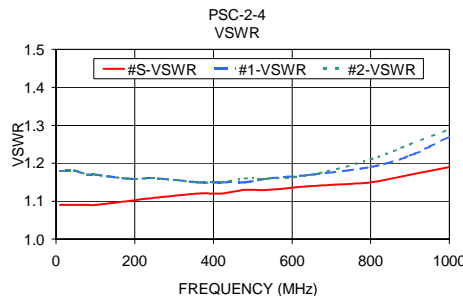
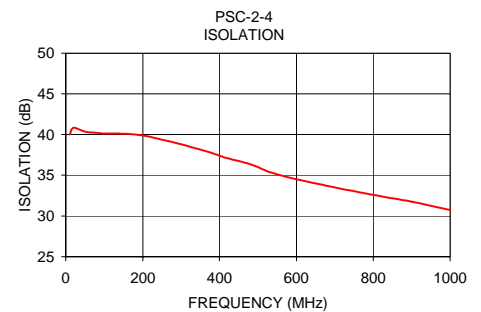
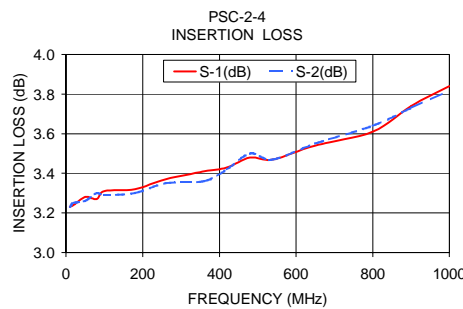
Splitter Electrical Specifications

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	L	M	U
f_L - f_U	Typ. Min.	Typ. Min.	Typ. Min.	Typ. Max.	Typ. Max.	Typ. Max.	Max.	Max.	Max.	Max.	Max.	Max.
10-1000	30	25	20	0.6	1.0	0.7	2.0	4.0	8.0	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) S-1	Insertion Loss (dB) S-2	Amplitude Unbalance (dB)	Isolation (dB)	Phase Unbalance (deg.)	VSWR S	VSWR 1	VSWR 2
10.00	3.23	3.23	0.01	39.99	0.02	1.09	1.18	1.18
20.00	3.24	3.25	0.00	40.83	0.11	1.09	1.18	1.18
50.00	3.28	3.26	0.01	40.33	0.12	1.09	1.18	1.18
80.00	3.27	3.30	0.04	40.21	0.03	1.09	1.17	1.17
100.00	3.31	3.29	0.02	40.11	0.06	1.09	1.17	1.17
180.00	3.32	3.30	0.01	40.01	0.05	1.10	1.16	1.16
260.00	3.37	3.35	0.01	39.26	0.01	1.11	1.16	1.16
360.00	3.41	3.36	0.05	38.02	0.14	1.12	1.15	1.15
420.00	3.43	3.42	0.01	37.09	0.21	1.12	1.15	1.15
480.00	3.48	3.50	0.02	36.36	0.19	1.13	1.15	1.16
540.00	3.47	3.47	0.00	35.23	0.32	1.13	1.16	1.16
650.00	3.54	3.55	0.01	33.97	0.22	1.14	1.17	1.17
800.00	3.61	3.64	0.03	32.58	0.35	1.15	1.19	1.21
900.00	3.74	3.73	0.01	31.76	0.35	1.17	1.22	1.25
1000.00	3.84	3.82	0.02	30.72	0.53	1.19	1.27	1.29



electrical schematic

