

Plug-In

Power Splitter/Combiner

PSC-2-4+

2 Way-0° 50Ω 10 to 1000 MHz

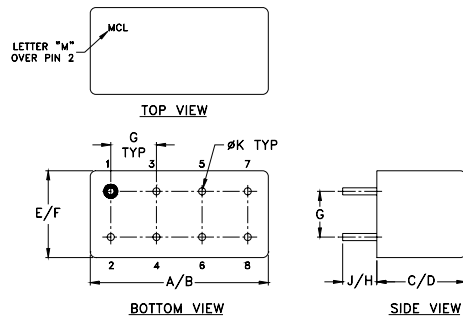
Maximum Ratings

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.
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)

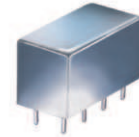
A	B	C	D	E	F
.770	.800	.385	.400	.370	.400
19.56	20.32	9.78	10.16	9.40	10.16
G	H	J	K		wt
.200	.20	.14	.031		grams
5.08	5.08	3.56	0.79		5.2

Features

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

Applications

- cellular
- VHF/UHF
- federal & defense communications



CASE STYLE: A01
PRICE: \$28.20 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.

Electrical Specifications

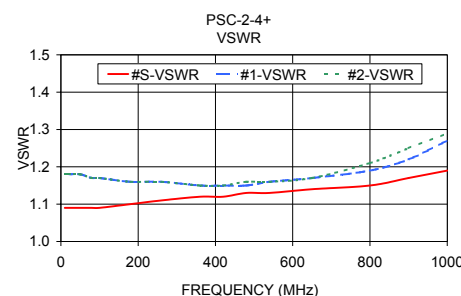
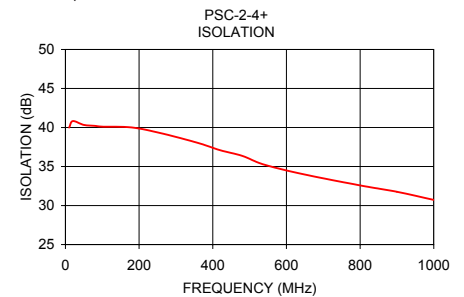
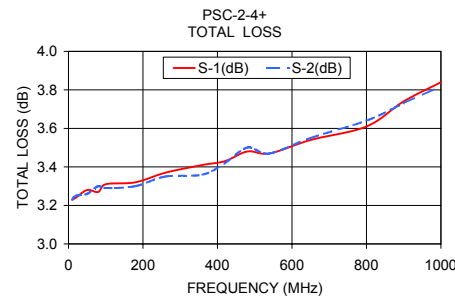
FREQ. RANGE (MHz)	ISOLATION (dB)						INSERTION LOSS (dB) ABOVE 3.0 dB						PHASE UNBALANCE (Degrees)			AMPLITUDE UNBALANCE (dB)		
	L		M		U		L		M		U		L		M		U	
	Typ.	Min	Typ.	Min	Typ.	Min	Typ.	Max.	Typ.	Max.	Typ.	Max.	Max.	Max.	Max.	Max.	Max.	Max.
10-1000	30	25	25	20	25	20	0.6	1.0	0.6	1.2	0.7	1.3	2.0	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)	Total Loss ¹ (dB)		Amplitude Unbalance (dB)	Isolation (dB)	Phase Unbalance (deg.)	VSWR S	VSWR 1	VSWR 2
	S-1	S-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

1. Total Loss = Insertion Loss + 3dB splitter loss.



electrical schematic



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