

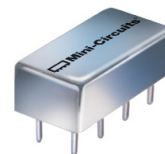
Plug-In

NON-CATALOG

Power Splitter/Combiner

PSC-2-1000+

2 Way-0° 50Ω 400 to 1000 MHz



CASE STYLE: A06

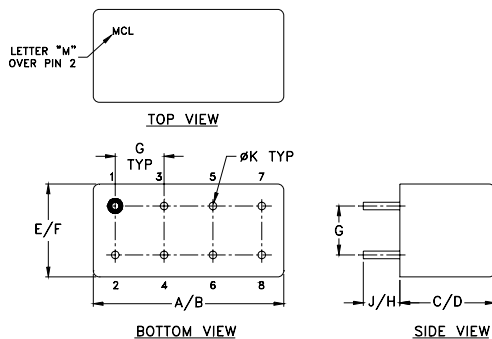
Maximum Ratings

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	.285	.310	.370	.400
19.56	20.32	7.24	7.87	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, 0.5 dB typ.
- high isolation, 35 dB typ.
- rugged welded construction

Applications

- UHF
- defense & federal communication
- cellular

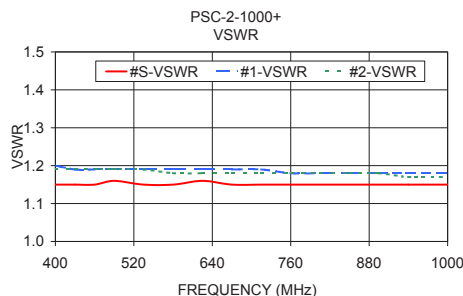
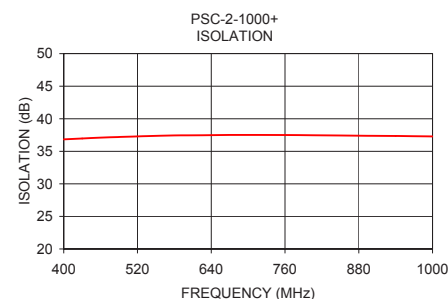
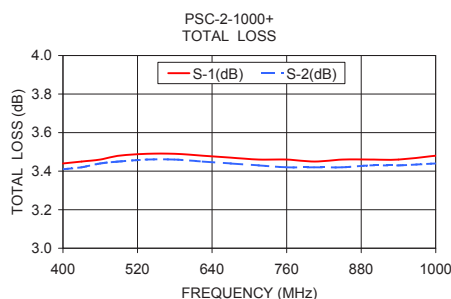
Electrical Specifications

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.
400-1000	35	25	0.5	1.0	2.0	0.3

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						
400.00	3.44	3.41	0.03	36.84	0.11	1.15	1.20	1.19
430.00	3.45	3.42	0.03	36.97	0.11	1.15	1.19	1.19
460.00	3.46	3.44	0.03	37.10	0.10	1.15	1.19	1.19
490.00	3.48	3.45	0.03	37.20	0.10	1.16	1.19	1.19
535.00	3.49	3.46	0.03	37.33	0.10	1.15	1.19	1.19
580.00	3.49	3.46	0.03	37.44	0.10	1.15	1.19	1.18
625.00	3.48	3.45	0.03	37.46	0.11	1.16	1.19	1.18
670.00	3.47	3.44	0.03	37.51	0.12	1.15	1.19	1.18
715.00	3.46	3.43	0.03	37.51	0.12	1.15	1.19	1.18
760.00	3.46	3.42	0.03	37.50	0.12	1.15	1.18	1.18
805.00	3.45	3.42	0.03	37.47	0.12	1.15	1.18	1.18
850.00	3.46	3.42	0.03	37.43	0.12	1.15	1.18	1.18
895.00	3.46	3.43	0.03	37.38	0.13	1.15	1.18	1.18
940.00	3.46	3.43	0.03	37.35	0.12	1.15	1.18	1.17
1000.00	3.48	3.44	0.03	37.28	0.12	1.15	1.18	1.17

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



electrical schematic



Notes

- A. Performance and quality attributes and conditions not expressly stated in this specification document are intended to be excluded and do not form a part of this specification document.
 B. Electrical specifications and performance data contained in this specification document are based on Mini-Circuits' applicable established test performance criteria and measurement instructions.
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