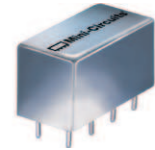


Plug-In

Power Splitter/Combiner

3 Way-0° 50Ω 0.5 to 50 MHz

PSC-3-13-39+



CASE STYLE: A01
PRICE: \$34.20 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	0.375W max.
Permanent damage may occur if any of these limits are exceeded.	

Pin Connections

SUM PORT	6
PORT 1	1
PORT 2	2
PORT 3	5
GROUND	3,4,7,8
CASE GROUND	3,4,7,8

Features

- low insertion loss, 0.15 dB typ.
- high isolation, 46 dB typ.
- rugged welded construction

Applications

- HF
- amateur radio
- defense & federal communications

+RoHS Compliant

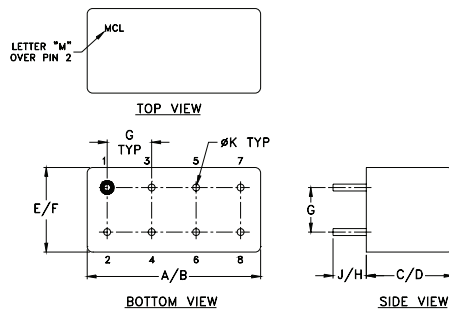
The +Suffix identifies RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications

Electrical Specifications

FREQ. RANGE (MHz)	ISOLATION (dB)						INSERTION LOSS (dB) ABOVE 4.8 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.
f _L -f _U																		
0.5-50	47	33	46	35	40	33	0.15	0.4	0.15	0.4	0.15	0.4	1.0	1.0	2.0	0.1	0.1	0.1

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]

Outline Drawing



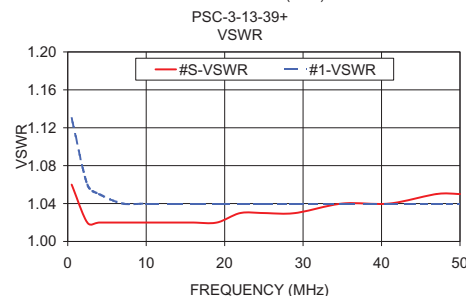
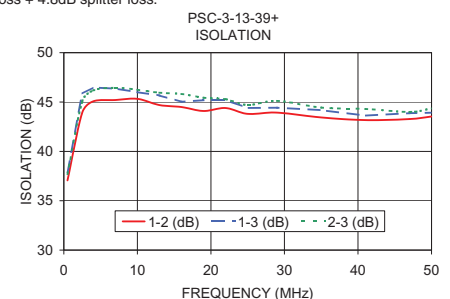
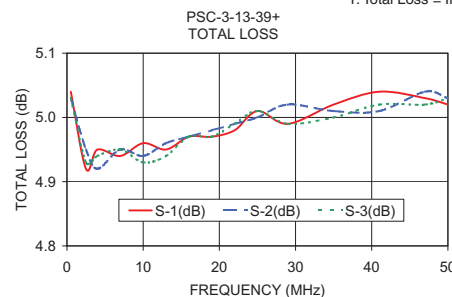
Outline Dimensions (inch mm)

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

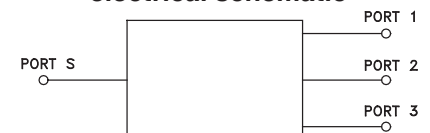
Typical Performance Data

Freq. (MHz)	Total Loss ¹ (dB)			Amp. Unbal. (dB)	Isolation (dB)			Phase Unbal. (deg.)	VSWR S	VSWR 1	VSWR 2	VSWR 3
	S-1	S-2	S-3		1-2	1-3	2-3					
0.50	5.04	5.03	5.03	0.01	37.06	37.89	37.70	0.20	1.06	1.13	1.13	1.13
2.50	4.92	4.95	4.93	0.02	43.90	45.85	45.04	0.12	1.02	1.06	1.06	1.06
4.00	4.95	4.92	4.94	0.02	45.07	46.47	46.17	0.09	1.02	1.05	1.05	1.05
7.00	4.94	4.95	4.95	0.01	45.20	46.36	46.45	0.13	1.02	1.04	1.04	1.04
10.00	4.96	4.94	4.93	0.03	45.32	46.00	46.24	0.15	1.02	1.04	1.04	1.04
13.00	4.95	4.96	4.94	0.02	44.69	45.67	45.94	0.15	1.02	1.04	1.04	1.04
16.00	4.97	4.97	4.97	0.01	44.49	45.02	45.82	0.27	1.02	1.04	1.04	1.04
19.00	4.97	4.98	4.97	0.01	44.09	45.19	45.43	0.12	1.02	1.04	1.04	1.04
22.00	4.98	4.99	4.99	0.00	44.39	45.19	45.28	0.18	1.03	1.04	1.04	1.04
25.00	5.01	5.00	5.01	0.01	43.80	44.40	44.70	0.34	1.03	1.04	1.04	1.04
29.00	4.99	5.02	4.99	0.02	43.93	44.42	45.12	0.37	1.03	1.04	1.04	1.04
35.00	5.02	5.01	5.00	0.01	43.44	44.18	44.44	0.29	1.04	1.04	1.04	1.04
41.00	5.04	5.01	5.02	0.03	43.17	43.63	44.30	0.38	1.04	1.04	1.04	1.04
47.00	5.03	5.04	5.02	0.01	43.27	43.87	44.00	0.55	1.05	1.04	1.04	1.04
50.00	5.02	5.03	5.03	0.01	43.53	43.92	44.35	0.47	1.05	1.04	1.04	1.04

1. Total Loss = Insertion Loss + 4.8dB splitter loss.



electrical schematic



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