

Plug-In

Power Splitter/Combiner

PSC-3-13+

3 Way-0° 50Ω 1 to 200 MHz



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, 0.35 dB typ.
- high isolation, 45 dB typ.
- rugged welded construction

Applications

- HF/VHF
- amateur radio
- federal & defense communication

+RoHS Compliant

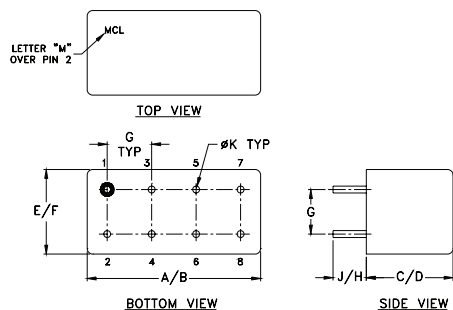
The +Suffix identifies RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications

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	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																		
1-200	45	35	45	30	37	30	0.25	0.5	0.35	0.6	0.35	0.8	1	3	4	0.1	0.2	0.2

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



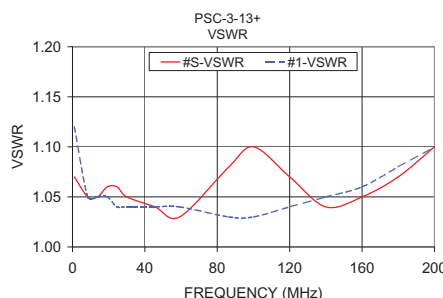
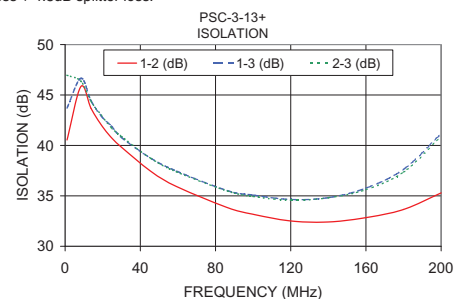
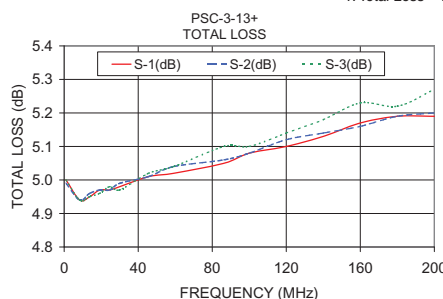
Outline Dimensions (inch/mm)

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	

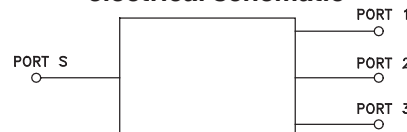
Typical Performance Data

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					
1.00	5.00	4.99	5.00	0.01	40.54	43.71	46.96	0.06	1.07	1.12	1.11	1.10
8.40	4.94	4.94	4.94	0.01	45.84	46.65	46.37	0.16	1.05	1.05	1.05	1.05
13.80	4.95	4.96	4.95	0.01	43.67	44.42	44.35	0.12	1.05	1.05	1.04	1.04
19.20	4.97	4.97	4.96	0.01	42.04	42.91	43.02	0.07	1.06	1.05	1.04	1.04
24.60	4.97	4.97	4.98	0.01	40.78	41.92	41.75	0.18	1.06	1.04	1.04	1.04
30.00	4.98	4.99	4.97	0.02	39.82	40.78	40.89	0.32	1.05	1.04	1.04	1.04
45.60	5.01	5.01	5.02	0.01	37.43	38.73	38.71	0.38	1.04	1.04	1.03	1.03
59.20	5.02	5.04	5.04	0.02	35.93	37.46	37.38	0.29	1.03	1.04	1.03	1.03
86.40	5.05	5.06	5.10	0.05	33.83	35.51	35.47	0.47	1.08	1.03	1.02	1.03
100.00	5.08	5.08	5.10	0.01	33.17	35.08	34.94	0.82	1.10	1.03	1.02	1.03
120.00	5.10	5.12	5.14	0.04	32.51	34.64	34.57	0.69	1.07	1.04	1.02	1.04
140.00	5.13	5.14	5.18	0.05	32.41	34.82	34.81	0.99	1.04	1.05	1.03	1.05
160.00	5.17	5.16	5.23	0.07	32.84	35.77	35.61	0.77	1.05	1.06	1.05	1.07
180.00	5.19	5.19	5.22	0.03	33.65	37.63	37.35	1.06	1.07	1.08	1.06	1.09
200.00	5.19	5.20	5.27	0.07	35.29	41.15	40.89	0.99	1.10	1.10	1.08	1.11

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



electrical schematic



For detailed performance specs & shopping online see web site

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