

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)

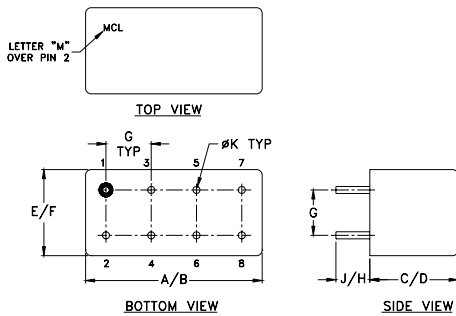
Maximum Ratings

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.

Pin Connections

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

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

Applications

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

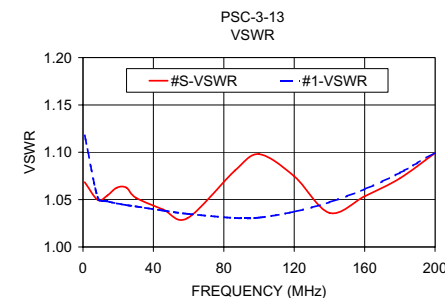
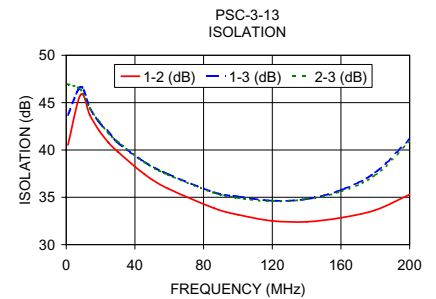
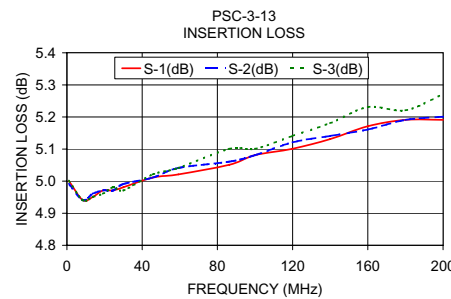
Splitter Electrical Specifications

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.
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]

Typical Performance Data

Freq. (MHz)	Insertion Loss (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					
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



electrical schematic

