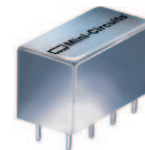


Plug-In

Power Splitter/Combiner

2 Way-0° 75Ω 0.008 to 60 MHz

PSC-2-2-75+
PSC-2-2-75



CASE STYLE: A01

PRICE: \$29.20 ea. QTY. (1-9)

+RoHS Compliant

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

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

Features

- low insertion loss, 0.15 dB typ.
- high isolation, 40 dB typ.
- rugged welded construction

Applications

- HF/VHF
- amateur radio
- communications systems

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	
f_L - f_U	Typ.	Min.	Typ.	Min.	Typ.	Min.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Max.	Max.	Max.	Max.	Max.	Max.
0.008-60	35	18	40	25	30	22	0.1	0.4	0.15	0.4	0.3	0.8	1.0	1.0	1.0	0.15	0.15	0.15

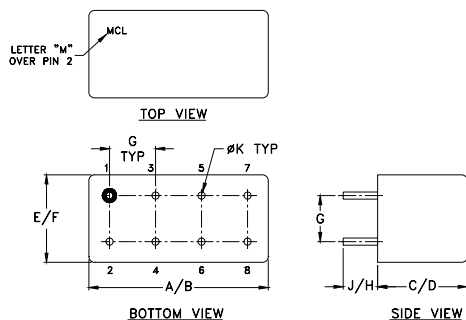
L = low range [f_L to $10 f_L$] M = mid range [$10 f_L$ to $f_U/2$] U = upper range [$f_U/2$ to f_U]
At low range frequency band, [f_L to $10 f_L$], linearly derate maximum input power by 13 dB.

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						
0.008	3.10	3.10	0.01	20.91	0.02	1.17	1.37	1.37
0.010	3.09	3.08	0.01	22.62	0.05	1.16	1.30	1.29
0.020	3.07	3.07	0.00	28.12	0.02	1.14	1.16	1.17
0.040	3.07	3.07	0.00	33.16	0.01	1.14	1.11	1.11
0.060	3.07	3.07	0.00	35.56	0.02	1.14	1.10	1.09
0.100	3.07	3.07	0.00	37.69	0.02	1.14	1.09	1.09
0.500	3.08	3.07	0.01	39.73	0.01	1.14	1.09	1.09
1.000	3.08	3.07	0.00	39.82	0.01	1.14	1.09	1.09
5.000	3.11	3.10	0.01	39.69	0.01	1.15	1.08	1.08
10.000	3.14	3.14	0.00	38.83	0.01	1.16	1.09	1.09
20.000	3.20	3.19	0.01	36.05	0.01	1.19	1.12	1.12
30.000	3.25	3.24	0.01	33.46	0.01	1.22	1.16	1.16
40.000	3.31	3.29	0.02	31.04	0.02	1.26	1.21	1.21
50.000	3.37	3.34	0.03	28.63	0.01	1.31	1.26	1.26
60.000	3.43	3.40	0.03	26.39	0.03	1.36	1.31	1.31

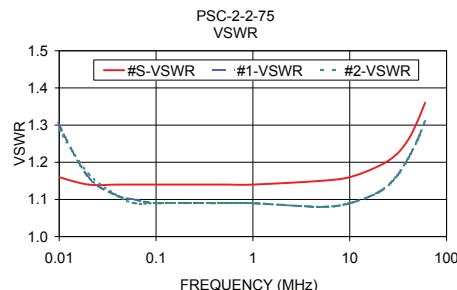
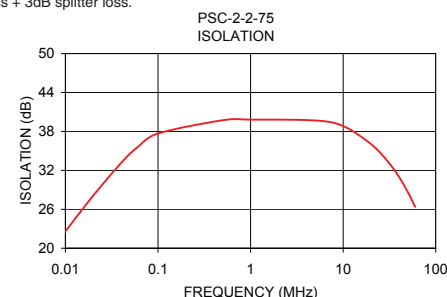
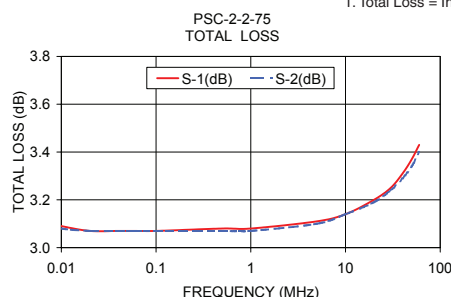
1. Total Loss = Insertion Loss + 3dB splitter loss.

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



electrical schematic



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