

Plug-In

Power Splitter/Combiner

PSC-2-4-752

2 Way-0° 75Ω 10 to 850 MHz



CASE STYLE: A01
PRICE: \$28.20 ea. QTY. (1-9)

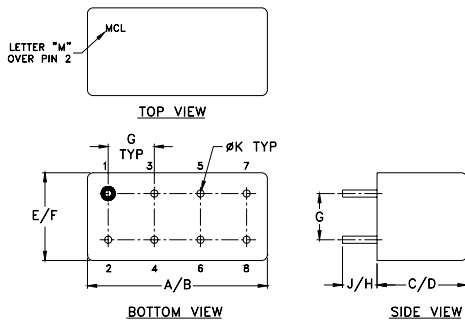
Maximum Ratings

Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
Power Input (as a splitter)	1W max.
Internal Dissipation	0.125W max.

Pin Connections

SUMPORT	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	.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

- wideband, 10 to 850 MHz
- low insertion loss, 0.4 dB typ.
- excellent isolation, 32 dB typ.
- rugged welded construction

Applications

- catv
- VHF/UHF
- defense & federal communications

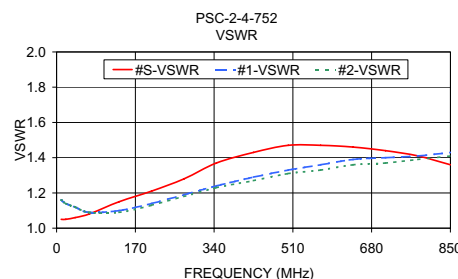
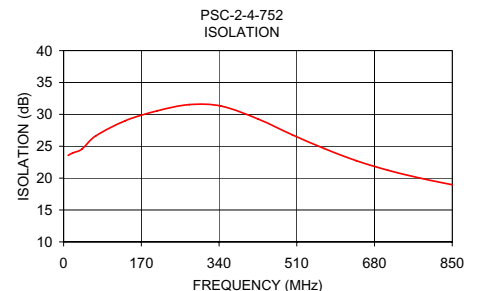
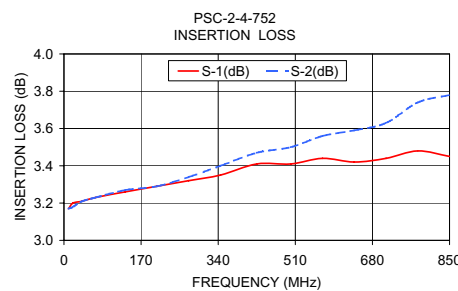
Splitter Electrical Specifications

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	L	M	U
	Typ.	Min.	Typ.	Min.	Typ.	Min.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Max.	Max.	Max.	Max.	Max.	Max.
10-850	31	20	32	23	23	15	0.3	0.5	0.4	0.6	0.5	1.0	2.0	5.0	10.0	0.1	0.2	0.5

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

Frequency (MHz)	Insertion Loss (dB)		Amplitude Unbalance (dB)	Isolation (dB)	Phase Unbalance (deg.)	VSWR S	VSWR 1	VSWR 2
	S-1	S-2						
10.00	3.17	3.17	0.00	23.57	0.02	1.05	1.16	1.16
20.00	3.20	3.18	0.02	23.97	0.03	1.05	1.14	1.14
40.00	3.21	3.21	0.00	24.54	0.07	1.06	1.12	1.12
70.00	3.23	3.23	0.00	26.60	0.01	1.08	1.09	1.09
135.00	3.26	3.27	0.01	29.01	0.04	1.15	1.10	1.09
205.00	3.29	3.29	0.00	30.56	0.25	1.21	1.14	1.13
275.00	3.32	3.34	0.01	31.53	0.26	1.28	1.19	1.18
345.00	3.35	3.40	0.06	31.29	0.33	1.37	1.24	1.23
425.00	3.41	3.47	0.06	29.29	0.38	1.43	1.29	1.27
500.00	3.41	3.50	0.09	26.80	0.57	1.47	1.33	1.31
570.00	3.44	3.56	0.12	24.64	0.56	1.47	1.36	1.33
640.00	3.42	3.59	0.17	22.74	0.67	1.46	1.39	1.36
710.00	3.44	3.63	0.19	21.22	0.68	1.44	1.40	1.37
780.00	3.48	3.74	0.25	19.99	0.84	1.41	1.41	1.39
850.00	3.45	3.78	0.32	18.96	0.89	1.36	1.43	1.41



electrical schematic

