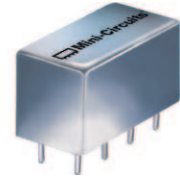


Plug-In

Power Splitter/Combiner

4 Way-0° 50Ω 1 to 800 MHz

PSC-4-5+



CASE STYLE: A01
PRICE: \$50.70 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)	0.5W max.
Internal Dissipation	0.250W max.
Permanent damage may occur if any of these limits are exceeded.	

Pin Connections

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

Features

- wideband, 1 to 800 MHz typ.
- low insertion loss, 0.6 dB typ.
- good isolation, 24 dB typ.
- rugged welded construction

Applications

- UHF/VHF
- communication systems
- instrumentation

+RoHS Compliant

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

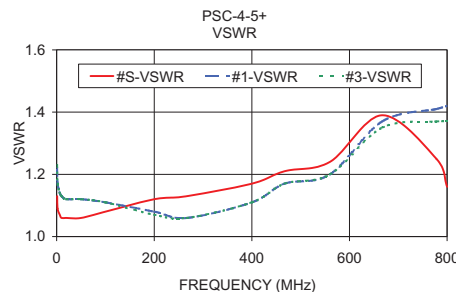
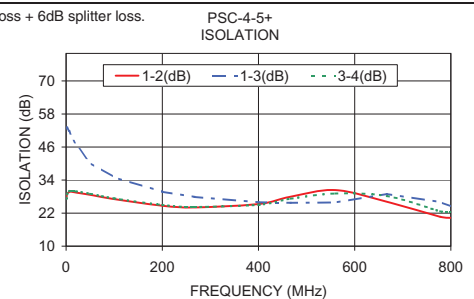
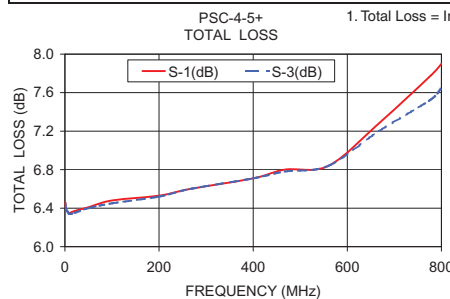
Electrical Specifications

FREQ. RANGE (MHz)	ISOLATION (dB)			INSERTION LOSS (dB) ABOVE 6.0 dB			PHASE UNBALANCE (Degrees)			AMPLITUDE UNBALANCE (dB)		
	L	M	U	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.
1-800	29	20	24	18	25	17	0.4	0.8	0.6	1.5	1.3	2.5

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

Freq. (MHz)	Total Loss ¹ (dB)				Amp. Unbal. (dB)	Isolation (dB)			VSWR				
	S-1	S-2	S-3	S-4		1-2	1-3	3-4	S	1	2	3	4
1.00	6.46	6.44	6.45	6.46	0.02	27.74	52.72	27.19	1.13	1.22	1.22	1.23	1.23
2.00	6.40	6.38	6.39	6.39	0.02	28.98	53.04	28.83	1.09	1.17	1.17	1.17	1.17
6.39	6.36	6.35	6.36	6.36	0.04	29.67	51.87	29.94	1.07	1.14	1.14	1.14	1.14
10.00	6.35	6.34	6.34	6.34	0.01	29.78	50.48	30.10	1.06	1.13	1.13	1.13	1.13
20.00	6.37	6.36	6.35	6.35	0.02	29.50	47.13	29.91	1.06	1.12	1.13	1.12	1.12
50.00	6.41	6.41	6.40	6.40	0.01	28.65	40.22	29.02	1.06	1.12	1.12	1.12	1.12
100.00	6.48	6.45	6.45	6.46	0.03	27.08	35.01	27.31	1.08	1.11	1.11	1.11	1.11
200.00	6.53	6.52	6.52	6.54	0.02	24.70	29.75	24.96	1.12	1.08	1.08	1.07	1.08
267.00	6.60	6.61	6.60	6.62	0.02	24.06	27.88	24.25	1.13	1.06	1.07	1.06	1.07
400.00	6.71	6.73	6.71	6.81	0.10	25.29	25.96	25.05	1.17	1.11	1.12	1.11	1.11
467.00	6.80	6.83	6.78	6.94	0.16	27.97	25.73	27.25	1.21	1.17	1.18	1.17	1.16
560.00	6.84	6.89	6.84	6.95	0.11	30.36	25.86	29.12	1.24	1.20	1.21	1.20	1.20
667.00	7.28	7.35	7.20	7.32	0.15	26.13	28.98	28.19	1.39	1.37	1.38	1.35	1.35
778.00	7.78	7.85	7.53	7.56	0.32	20.67	26.01	22.67	1.25	1.41	1.42	1.37	1.38
800.00	7.90	8.00	7.65	7.64	0.36	20.29	24.44	22.44	1.16	1.42	1.42	1.37	1.38



electrical schematic



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