

Plug-In

Power Splitter/Combiner

PMT-1+

2 Way-0°/180°

50Ω

5 to 200 MHz



CASE STYLE: A04

PRICE: \$27.20 ea. QTY. (10)

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	2
PORT 2	3
PORT J	4
GROUND	5,6,7,8
CASE GROUND	5,6,7,8

Features

- low insertion loss, 0.9 dB typ.
- good isolation, 24 dB typ.
- excellent amplitude unbalance, 0.2 dB typ.
- good VSWR, 1.2:1 typ.

Applications

- VHF
- communications systems
- signal processing

+RoHS Compliant

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

Electrical Specifications

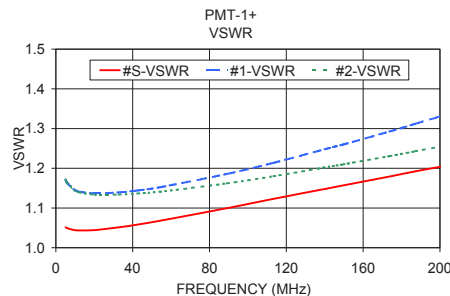
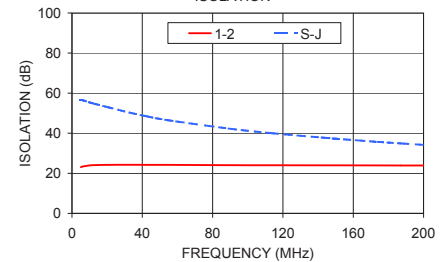
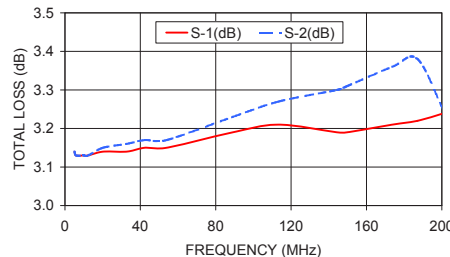
FREQ. RANGE (MHz)	ISOLATION (dB)						INSERTION LOSS (dB) ABOVE 3.0 dB						PHASE UNBALANCE (Degrees)			AMPLITUDE UNBALANCE (dB)		
	L		M		U		L		M		U		L		M		U	
	Typ.	Min.	Typ.	Min.	Typ.	Min.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Max.	Max.	Max.	Max.	Max.	Max.
f _L -f _U																		
5-200	22	20	24	20	24	18	0.8	1.0	0.9	1.1	1.0	1.5	2	4	8	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]

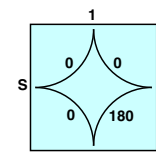
Typical Performance Data

Freq. (MHz)	Total Loss ¹ (dB)		Amplitude Unbal. (dB)	Insertion Loss (dB)		Amplitude Unbal. (dB)	Isolation (dB)		Phase Unbal. (deg.)		VSWR S	VSWR 1	VSWR 2
	S-1	S-2	(S-1)-(S-2)	J-1	J-2	(J-1)-(J-2)	1-2	S-J	(S-1)-(S-2)	(J-1)-(J-2)			
5.03	3.14	3.14	0.00	3.76	3.77	0.01	23.04	56.65	-0.11	179.86	1.05	1.17	1.17
5.83	3.13	3.13	0.00	3.74	3.75	0.01	23.32	56.54	-0.07	179.79	1.05	1.16	1.16
9.62	3.13	3.13	0.00	3.69	3.69	0.01	23.89	55.51	-0.22	179.73	1.04	1.15	1.15
12.25	3.13	3.13	0.00	3.67	3.69	0.00	24.04	54.83	-0.25	179.66	1.04	1.14	1.14
20.21	3.14	3.15	0.01	3.67	3.69	0.00	24.21	53.04	-0.42	179.44	1.04	1.14	1.13
32.73	3.14	3.16	0.02	3.69	3.69	0.00	24.26	50.31	-0.70	179.16	1.05	1.14	1.13
42.43	3.15	3.17	0.02	3.70	3.70	0.01	24.22	48.47	-0.87	178.90	1.06	1.14	1.14
54.00	3.15	3.17	0.02	3.72	3.71	0.01	24.20	46.56	-1.08	178.57	1.07	1.15	1.14
89.10	3.19	3.23	0.04	3.82	3.77	0.05	24.04	42.34	-1.75	177.70	1.10	1.19	1.16
113.40	3.21	3.27	0.06	3.88	3.80	0.08	24.03	40.04	-2.23	177.05	1.12	1.21	1.18
144.31	3.19	3.30	0.11	3.93	3.80	0.13	23.97	37.67	-2.78	176.34	1.15	1.25	1.21
149.77	3.19	3.31	0.12	3.95	3.80	0.14	23.97	37.29	-2.83	176.21	1.16	1.26	1.21
173.72	3.21	3.36	0.15	4.03	3.82	0.21	23.93	35.71	-3.21	175.66	1.18	1.29	1.23
187.10	3.22	3.38	0.17	4.07	3.84	0.24	23.89	34.92	-3.44	175.34	1.19	1.31	1.24
201.51	3.24	3.24	0.18	4.12	3.85	0.27	23.90	34.11	-3.73	174.88	1.21	1.33	1.26

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



electrical schematic



- S-J ports, isolation 40 typical
- Inphase ports, S-1 and S-2 insertion loss 0.2 dB typical
- Amplitude unbalance defined by input S or J ports to output 1 and 2

For detailed performance specs & shopping online see web site

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IF/RF MICROWAVE COMPONENTS

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