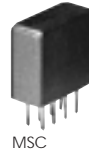


# POWER SPLITTERS/COMBINERS

50 & 75Ω

## 2 WAY-0° 4 kHz to 2 GHz



MODEL NO.	FREQ. RANGE MHz $f_L$ - $f_U$	ISOLATION dB			INSERTION LOSS, dB Above 3dB						PHASE UNBALANCE Degrees			AMPLITUDE UNBALANCE dB			CASE STYLE Note B	C O N N E C T I O N	PRICE \$ Qty. (1-9)			
		L Typ. Min.	M* Typ. Min.	U Typ. Min.	L Typ. Max.	M* Typ. Max.	U Typ. Max.	L Max.	M* Max.	U Max.	L Max.	M* Max.	U Max.									
MSC-2-1	0.1-450	20	15	30	20	30	20	0.3	0.5	0.4	0.75	0.6	1.0	2.0	3.0	4.0	0.15	0.2	0.3	A03	ap	20.95
MSC-2-1W	2-650	22	18	30	20	22	18	0.3	0.5	0.5	0.8	0.8	1.2	1.0	2.0	4.0	0.3	0.2	0.3	A03	ap	22.95
MSC-2-5	5-1500	18	16	20	16	20	14	0.6	0.8	0.6	0.8	0.6	1.1	2.0	3.0	5.0	0.2	0.3	0.4	A03	ap	26.95
MSC-2-11	5-2000	18	16	20	16	18	11	0.6	0.8	0.6	0.8	1.2	1.8	2.0	3.0	5.0	0.2	0.3	0.5	A03	ap	31.95
PSC-2-1	0.1-400	20	15	25	20	25	20	0.2	0.6	0.4	0.75	0.6	1.0	2.0	3.0	4.0	0.15	0.2	0.3	A01	ap	11.95
PSC-2-1W	1-650	25	20	35	20	25	20	0.3	0.6	0.5	0.9	0.7	1.0	2.0	3.0	4.0	0.15	0.2	0.3	A01	ap	18.95
❖ PSC-2-2	0.004-60	27	20	30	20	27	20	0.3	0.6	0.3	0.6	0.6	1.0	2.0	3.0	4.0	0.15	0.25	0.3	A01	ap	25.95
PSC-2-4	10-1000	30	25	25	20	25	20	0.6	1.0	0.6	1.2	0.7	1.3	2.0	4.0	8.0	0.15	0.2	0.4	A01	ap	25.95
PSC-2-5	10-1400	28	18	22	17	24	17	0.3	0.6	0.6	1.0	0.9	1.6	2.0	3.0	4.0	0.15	0.2	0.4	A01	ap	31.95
PSC-2-11	5-2000	21	16	22	18	19	9	0.5	0.8	0.6	0.9	0.7	1.5	1.0	3.0	6.0	0.20	0.4	1.0	A01	ap	36.95
PSC-2-45	700-900			20	17					0.2	0.4							0.2		A01	ap	24.95
PSC-2-1000	400-1000			35	25					0.5	1.0							0.3		A06	ap	24.95

L = low range [ $f_L$  to  $10 f_L$ ]

M = mid range [ $10 f_L$  to  $f_U/2$ ]

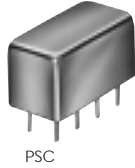
U = upper range [ $f_U/2$  to  $f_U$ ]

### NOTES:

- ❖ When only specification for M range given, specification applies to entire frequency range.
- ❖ At low range frequency band ( $f_L$  to  $10 f_L$ ), linearly derate maximum input power by 13 dB.
- Denotes 75 Ohm model, for coax connector models 75 Ohm BNC connectors are standard.
- \* VSWR typical 1.1:1 over total range of frequency, max 1.2:1 for low and upper range, max 1.15:1 for mid range.
- A. General Quality Control Procedures, Environmental Specifications, Hi-Rel and MIL description are given in General Information (Section 0).
- B. Connector types and case mounted options, case finishes are given in section 0, see "Case styles & Outline Drawings".
- C. Prices and specifications subject to change without notice.
- 1. Absolute maximum power, voltage and current ratings:
  - 1a. Matched power rating,
 

Model PSC-2-11	0.5 Watt
All other models	1 Watt
  - 1b. Internal load dissipation, 0.125 Watt

# Plug-In



PSC



TSC

MODEL NO.	FREQ. RANGE MHz $f_L$ - $f_U$	ISOLATION dB			INSERTION LOSS, dB Above 3dB						PHASE UNBALANCE Degrees			AMPLITUDE UNBALANCE dB			CASE STYLE Note B	CONNECTION Qty. (1-9)	PRICE \$		
		L Typ. Min.	M <sup>o</sup> Typ. Min.	U Typ. Min.	L Typ. Max.	M <sup>o</sup> Typ. Max.	U Typ. Max.	L Max.	M <sup>o</sup> Max.	U Max.	L Max.	M <sup>o</sup> Max.	U Max.								
■ PSC-2-1-75	0.25-300	20	15	30	20	15	0.4	0.75	0.4	0.75	0.4	1.0	2.0	3.0	5.0	0.15	0.2	0.3	A01	ap	14.45
■ PSC-2-1-75A*	1-200	35	27	46	35	25	0.1	0.3	0.2	0.4	0.35	0.6	1.0	1.0	2.0	0.1	0.15	0.15	A06	ap	15.45
❖ ■ PSC-2-2-75	0.008-60	35	20	40	25	30	0.1	0.4	0.15	0.4	0.3	0.8	1.0	1.0	1.0	0.15	0.15	0.15	A01	ap	25.95
■ PSC-2-4-752	10-850	31	20	32	23	23	0.3	0.5	0.4	0.6	0.5	1.0	2.0	5.0	10.0	0.1	0.2	0.5	A01	ap	25.95
■ PSC-2375	55-85			35	25				0.3	0.5				1.0			0.1		A01	ap	25.95
TSC-2-1	1-400	30	25	30	25	30	0.25	0.5	0.4	0.75	0.8	1.0	2.0	3.0	4.0	0.15	0.2	0.6	B02	aj	17.95
TSC-2-1W	200-1000	L2 26	U2 20	23	14				L2 0.3	U2 0.8	0.7	1.5	5	10		0.7	0.5		B02	aj	21.95

L = low range [ $f_L$  to  $10 f_L$ ]  
 $L_2 = (f_L$  to  $f_U/2)$

M = mid range [ $10 f_L$  to  $f_U/2$ ]  
 $U_2 = (f_U/2$  to  $f_U)$

U = upper range [ $f_U/2$  to  $f_U$ ]

### pin connections

see case style outline drawings for pin locations

PORT	aj	ap
SUM PORT	1	1
PORT 1	2	5
PORT 2	4	6
GND EXT.	3	2,3,4,7,8
CASE GND	3	2,3,4,7,8
NOT USED	—	—

### NSN GUIDE

MCL NO.	NSN	MIL-P-23971/15*
MSC-2-1	6625-01-124-8595	02
MSC-2-1W	5985-01-437-3528	
PSC-2-1	6625-00-548-0739	01
PSC-2-1W	5985-01-190-7701	
PSC-2-2	6625-01-143-2571	
PSC-2-4	6625-01-230-0492	
TSC-2-1	5895-01-332-8100	

\* units are not QPL listed



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