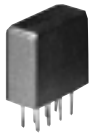
POWER SPLITTERS/COMBINERS 50 & 75Ω

2 WAY-0° 4 kHz to 2 GHz


MSC

MODEL NO.	FREQ. RANGE MHz f_L-f_U	ISOLATION dB L Typ.	L Min.	M° Typ.	M° Min.	U Typ.	U Min.	INSERTION LOSS, dB Above 3dB L Typ.	L Max.	M° Typ.	M° Max.	U Typ.	U Max.	PHASE UNBALANCE Degrees L Max.	M° Max.	U Max.	AMPLITUDE UNBALANCE dB L Max.	M° Max.	U Max.	CASE STYLE Note B	CONNECTION	PRICE $ Qty. (1-9)
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				3.0			0.2		A01	ap	24.95
PSC-2-1000	400-1000			35	25					0.5	1.0				2.0			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".

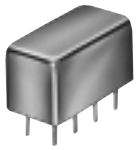
C. Prices and specifications subject to change without notice.

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

001113



PSC

TSC

MODEL NO.	FREQ. RANGE MHz f_L-f_U	ISOLATION dB L Typ.	L Min.	M* Typ.	M* Min.	U Typ.	U Min.	INSERTION LOSS, dB Above 3dB L Typ.	L Max.	M* Typ.	M* Max.	U Typ.	U Max.	PHASE UNBALANCE Degrees L Max.	M* Max.	U Max.	AMPLITUDE UNBALANCE dB L Max.	M* Max.	U Max.	CASE STYLE Note B	CONNECTION	PRICE $ Qty. (1-9)
■ PSC-2-1-75	0.25-300	20	15	30	20	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	36	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	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	A01	ap	25.95
■ PSC-2-4-752	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	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	20	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
		L2		U2				L2		U2				L2	U2		L2	U2				
TSC-2-1W	200-1000	26	20	23	14			0.3	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