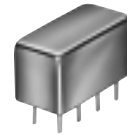
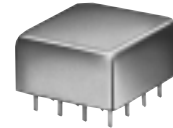


# POWER SPLITTERS/COMBINERS 50&75Ω Plug-In

## 4 WAY-0° 10 kHz to 1000 MHz



PSC-4



PSC-4A

MODEL NO.	FREQ. RANGE MHz $f_L$ - $f_U$	ISOLATION dB						INSERTION LOSS, dB Above 6dB						PHASE UNBALANCE Degrees			AMPLITUDE UNBALANCE dB			CASE STYLE Note B	CONNECTION	PRICE \$ Qty. (1-9)
		L		M		U		L		M		U		L	M	U	L	M	U			
		Typ. Min.	Typ. Min.	Typ. Min.	Typ. Min.	Typ. Min.	Typ. Max.	Typ. Max.	Typ. Max.	Typ. Max.	Typ. Max.	Typ. Max.	Max.	Max.	Max.	Max.	Max.	Max.	Max.			
PSC-4-1	0.1-200	33	20	30	20	27	20	0.4	0.6†	0.5	0.75	0.7	1.0	4	6	8	0.15†	0.2	0.25	A01	bf	37.95
PSC-4-1W	1-500	29	20	27	18	25	18	0.4	0.8	0.5	1.0	0.8	1.5	1	3	5	0.2	0.3	0.5	A01	bf	40.95
■ PSC-4-1-75	1-200	30	20	25	20	25	20	0.4	0.7	0.5	0.9	0.7	1.2	2	3	4	0.15	0.2	0.3	A01	bf	34.95
PSC-4-3	0.25-250	33	20	30	20	27	20	0.4	0.7	0.5	0.75	0.7	1.2	4	6	8	0.15	0.2	0.25	A01	bf	33.95
PSC-4-5	1-800	29	20	24	18	25	17	0.4	0.8	0.6	1.5	1.3	2.5	1	4	5	0.2	0.5	0.6	A01	bf	47.45
⊕ PSC-4-6	0.01-40	35	18	32	25	25	18	0.4	0.8	0.3	0.5	0.5	1	2	2	2	0.1	0.15	0.2	A01	bf	38.95
PSC-4A-4	10-1000	25	20	21	15	18	15	0.5	0.8	0.8	1.8	1.5	2.5	4	16	20	0.2	0.5	0.7	C07	bg	64.95
⊕ PSC-4A-1W-75	30-600	27	20	—	—	22	18	0.6	0.8	—	—	0.8	1.1	2	—	5	0.2	—	5	C07	bg	51.95

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:**

- ◆ Aqueous washable.
- Non-hermetic
- Denotes 75 Ohm model
- ⊕ 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 power by 13 dB.
- ⊕ Maximum VSWR: input 1.5:1, output 1.3:1
- † Adjacent ports, 25°C
- \* BLUE CELL™ power splitters protected by U.S. patents 5,534,830 and 5,640,132
- ◆ 18 dB min. above 900 MHz for BP4C and above 1900 MHz for BP4P
- A. General Quality Control Procedures, Environmental Specifications, Hi-Rel and MIL description are given in section 0, see "Mini-Circuits Guarantees Quality" article.
- 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 JS4PS-1W-75 ..... 0.250 Watt
    - Models PSC-4-5, PSC-4-1W, SCP-4-1W-75 ... 0.5 Watt
    - JS4PS-9-75, AD4PS-1, JS4PS-1W ..... 0.5 Watt
    - Models BP4C, BP4P ..... 1.5 Watt
    - Model SBD-4-25 ..... 10 Watt
    - All other models ..... 1 Watt
  - 1b. Internal load dissipation,
    - Model JS4PS-1, JS4PS-9-75 ..... 0.5 Watt
    - Models SCP-4-1W-75, SCP-4-4-75, ..... 0.375 Watt
    - BP4C, BP4P, SBD-4-25, JS4PS-1W ..... 0.375 Watt
    - All other models ..... 0.250 Watt



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INTERNET <http://www.minicircuits.com>

ISO 9001 CERTIFIED

020409

# Surface Mount □

## 1 to 2600 MHz



MODEL NO.	FREQ. RANGE MHz $f_L$ - $f_U$	ISOLATION dB						INSERTION LOSS, dB Above 6dB						PHASE UNBALANCE Degrees			AMPLITUDE UNBALANCE dB			CASE STYLE Note B	CONNECTION	PRICE \$ Qty. (10-49)
		L	M <sup>o</sup>	U	L	M <sup>o</sup>	U	L	M <sup>o</sup>	U	L	M <sup>o</sup>	U	L	M <sup>o</sup>	U						
◆ AD4PS-1	1-500	32	18	30	20	25	18	0.4	1.2	0.5	1.2	0.8	1.8	2	5	7	0.4	0.5	0.8	CJ725	kb	14.95
◆ BP4C	810-960			25	19	◆				1.0	1.6					8			0.6	XX211	js	1.99
◆ BP4P	1710-1990			23	19	◆				0.8	1.3					15			0.5	XX211	js	1.79
◆ SBD-4-25*	1800-2600			20	12					1.0	1.9					8			0.7	SM34	lj	9.95
	1800-2000			18	12					0.9	1.4					6			0.4			
	2100-2200			21	15					0.9	1.4					6			0.4			
	2200-2400			22	15					1.0	1.6					7			0.6			
	2400-2500			22	16					1.0	1.8					7			0.7			
NEW ◆ JS4PS-1W	5-1000	29	20	26	18	20	15	0.3	1.1	0.8	1.5	1.5	2.4	5	5	12	0.8	0.7	0.7	BK377	ng	14.95 Qty. (1-9)
◆ JS4PS-1	80-520			36	20					0.8	1.5					5			0.5	BJ360	kb	19.95
◆ JS4PS-1W-75	5-750	34	25	35	25	30	18	0.6	1.2	0.6	1.5	0.8	1.5	3	5	6	0.2	0.3	0.6	BJ360	kb	18.95
◆ JS4PS-9-75	50-860			25	16					0.6	1.9					5			0.8	BJ360	kb	20.95
SCP-4-1	1-400	32	23	26	18	21	17	0.4	1.2	0.6	1.2	1.0	1.5	1	4	9	0.2	0.3	0.5	YY101	bv	24.95
SCP-4-1W	10-650	34	28	23	18	21	15	0.7	1.0	0.9	1.5	1.1	1.9	3	7	12	0.2	0.4	0.7	YY101	bv	26.95
■ SCP-4-1W-75	10-750	36	20	32	20	24	15	0.5	1.0	0.65	1.3	0.8	2.0	1.5	3	6	0.2	0.4	0.9	YY161	bv	27.95
SCP-4-4	800-1000			24	17					0.7	1.5					12			1.0	YY101	bv	21.95
■ SCP-4-4-75	10-1000	36	20	32	18	24	14	0.5	1.0	0.65	1.3	0.8	2.0	3	6	12	0.2	0.4	0.9	YY161	bv	28.95

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  $f_U$ ]



### pin and coaxial connections

see case style outline drawing

PORT	bf	bg	bv	js	kb	lj	ng
SUM PORT	4	2	3	2	2	4	10
PORT 1	7	8	2	1	8	8	2
PORT 2	8	12	4	8	7	10	3
PORT 3	1	5	6	5	6	12	5
PORT 4	2	9	8	4	5	14	6
GND EXT.	3,5,6	All other pins	1,5,7	3,6,7	1,3,4	2,3,5,6,9,13	1,4,7,8,9
CASE GND	3,5,6	All other pins	—	—	—	—	—
NOT USED	—	—	—	—	—	1,7,11	—

### NSN GUIDE

MCL NO.	NSN	MIL-P-23971/15*
PSC-4-1	5895-01-065-0106	-10
PSC-4-2	5825-01-044-8945	
PSC-4-3	5895-01-105-6189	-11
PSC-4-5	5985-01-423-7929	
PSC-4-6	5985-01-332-3086	
PSC-4A-4	5895-01-347-0205	



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