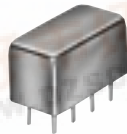
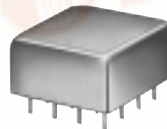


POWER SPLITTERS/COMBINERS 50&75Ω Plug-In

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 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.									
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, SCA-4-10 0.5 Watt
 - Models BP4C, BP4P 1.5 Watt
 - Model SCA-4-20 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, SCA-4-10 ... 0.375 Watt
 - All other models 0.250 Watt

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	

* units are not CPL listed



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	PCB Lay-out PL-	PRICE \$ Qty. (10-49)						
		L Typ. Min.	M ^o Typ. Min.	U Typ. Min.	L Typ. Max.	M ^o Typ. Max.	U Typ. Max.	L Max.	M ^o Max.	U Max.	L Max.	M ^o Max.	U Max.										
◆ 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	072	14.95
◆ BP4C	810-960			25	19	◆				1.0	1.6			8					0.6	XX211	js	113	1.99
◆ BP4P	1710-1990			23	19	◆				0.8	1.3			15					0.5	XX211	js	113	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 ◆ SCA-4-10	5-1000			—						—				—					—	DZ943	ny	124	6.95
	5-400			30	20					0.7	1.3			5					0.8				
	400-600			25	17					0.8	1.5			6					0.7				
	600-1000			20	15					1.2	2.5			11					0.9				
NEW ◆ SCA-4-10-75	10-1000			30	22					1.2	2.3			6					1.2	DZ943	ny	133	6.95
	10-400			25	18					1.5	2.2			9					0.9				
	400-750			20	15					2.0	2.5			10					0.9				
	750-1000																						
NEW ◆ SCA-4-15-75	10-1500			19	14					0.5	1.3			8					0.8	DZ943	ny	133	7.95
	10-40			25	18					1.2	2.0			9					0.9				
	40-1000			19	15					1.4	2.6			16					0.9				
	1000-1500																						
NEW ◆ SCA-4-20	1000-2000			15	8					1.0	1.5			5					0.7	DZ944	ny	125	7.95
	1500-1700			20	17					1.0	1.2			5					0.8				
	1700-2000			20	17					1.2	1.5			5					0.9				
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	091	14.95
◆ JS4PS-1	80-520			36	20					0.8	1.5			5					0.5	BJ360	kb	101	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	101	18.95
◆ JS4PS-9-75	50-860			25	16					0.6	1.9			5					0.8	BJ360	kb	101	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	073	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	073	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	073	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	ny
SUM PORT	4	2	3	2	2	4	10	3
PORT 1	7	8	2	1	8	8	2	6
PORT 2	8	12	4	8	7	10	3	7
PORT 3	1	5	6	5	6	12	5	9
PORT 4	2	9	8	4	5	14	6	10
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	1,2,4,5,8
CASE GND	3,5,6	All other pins	—	—	—	—	—	—
NOT USED	—	—	—	—	—	1,7,11	—	—
DEMO BOARD	—	—	TB-36	TB-231	TB-81(AD4PS) TB-215(JS4PS)	—	—	TB-238 (SCA-4-10) TB-247 (SCA) 75Ω TB-241 (SCA-4-20)



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