

POWER SPLITTERS/COMBINERS

50&75Ω

5 WAY-0° 1 MHz to 750 MHz



MODEL NO.	FREQ. RANGE MHz f_L - f_U	ISOLATION dB						INSERTION LOSS, dB Above 7.0dB						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	L	M°	U	L	M°	U			
◆ AD5PS-1	1-400	35	18	25	20	27	20	0.15	0.5	0.3	1.0	0.8	1.8	1	6	9	0.3	0.4	0.6	CJ725	mb	19.95***
PSC-5-1	1-300	25	20	23	18	20	17	0.2	0.5	0.6	1.0	1.5	2.0	2	4	8	0.2	0.3	0.6	C07	bj	64.45
PSC-5-2	250-750			22	17					1.1	2.5				14		0.7			C07	gq	67.95
■ PSC-5-1-75	1-300	35	20	30	18	25	17	0.4	0.6	0.6	0.9	0.9	1.3	2	4	8	0.2	0.3	0.6	C07	bj	64.45
SCP-5-1	2-200	30	20	29	20	30	20	0.2	0.5	0.3	0.75	0.6	1.5	1	3	5	0.2	0.3	0.6	YY161	md	26.95
ZBSC-5-1	120-520			25	18					1.0	2.0				8		0.9			UU102	bm	119.95
ZFSC-5-1	1-300	25	20	23	18	20	17	0.2	0.5	0.6	1.0	1.5	2.0	2	4	8	0.2	0.3	0.6	G15	bm	99.95

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]

see suggested PCB layout PL-088 for AD5PS-1

NOTES:

- ◆ Aqueous washable.
- Non-hermetic
- Denotes 75 Ohm model, for coax connector models 75 Ohm BNC connectors are standard.
- * When ordering, specify SMA or N connectors.
- ⊗ When only specification for M range given, specification applies to entire frequency range.
- *** Price for quantities 10-49.
- 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:

Models ZB6PD, ZC6PD	10 Watt
Model PSC-5-2	2 Watt
Models AD5PS-1, AD6PS-1	0.5 Watt
Model JCPS-6-3	0.25 Watt
All other models	1 Watt
 - 1b. Internal load dissipation:

Models ZB6PD, ZC6PD	0.875 Watt
Model ZB6PD-1700	0.750 Watt
Models PSC-5-2, SCP-5-1, ZBSC-5-1	0.625 Watt
Model AD5PS-1	0.40 Watt
All other models	0.5 Watt

NSN GUIDE MCL NO.

PSC-5-1
ZFSC-6-1(BNC)
ZFSC-6-1(SMA)
PSC-6-1
ZBSC-615

NSN

6625-01-255-3143
6625-01-225-6965
6625-01-263-9871
6625-01-249-8012
6625-01-391-5026



Surface Mount □, Plug-In & Coaxial

6 WAY-0° 1 MHz to 2 GHz

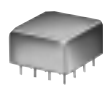
SURFACE MOUNT



AD6PS



JCPS



PSC-6



ZC6PD



ZBSC-6



ZB6PD



ZFSC-6

MODEL NO.	FREQ. RANGE MHz f_L - f_U	ISOLATION dB						INSERTION LOSS, dB Above 7.8dB						PHASE UNBAL. Degrees			AMPLITUDE UNBAL. dB			VSWR (:1)				CASE STYLE Note B	CONNECTION	PRICE \$ Qty. (1-9)
		L	M°	U				L	M°	U				L	M°	U	L	M°	U	S	OUT					
◆ AD6PS-1	2-250	35	17	30	20	27	20	0.2	0.6	0.2	1.0	0.6	1.5	2	6	9	0.3	0.4	0.6					CJ725	mc	26.95***
◆ JCPS-6-3	75-425			23	18					0.9	1.8					9			0.7					BG291	mf	69.95
PSC-6-1	1-175	30	24	26	18	26	18	0.5	0.8	0.7	1.0	1.0	1.5	4	6	12	0.2	0.4	0.8					C07	bk	74.95
■ PSC-6-1-75	1-300	35	25	30	23	25	18	0.6	1.2	0.6	1.1	0.6	1.3	2	4	8	0.2	0.3	0.6					C07	bk	78.95
ZC6PD-960	890-960			30	20					0.4	0.8			—	—	—		0.4		1.20	1.50	1.10	1.50	AB185	bn	124.95
ZC6PD-960W	700-1000			28	15					0.4	1.0			—	—	—		0.6		1.30	1.50	1.20	1.50	AB185	bn	119.95
ZC6PD-1900	1700-1900			30	20					0.4	0.8			—	—	—		0.5		1.10	1.40	1.10	1.50	AB185	bn	134.95
ZC6PD-1900W	1500-2000			30	15					0.5	1.0			—	—	—		0.6		1.10	1.68	1.10	1.50	AB185	bn	129.95
ZBSC-611	10-200	28	22	26	20	23	20	0.5	0.8	0.7	1.0	0.9	1.2	4	5	6	0.2	0.3	0.5					UU102	bn	114.95
ZBSC-615	1-500	30	25	26	18	24	18	0.5	0.8	0.7	1.2	1.0	2.2	4	8	20	0.2	0.4	1.2					UU102	bn	119.95
ZB6PD1-900	800-900			32	20					0.3	0.7			—	—	—		0.5		1.10	1.50	1.13	1.35	UU187	bn	139.95
ZB6PD1-960	890-960			35	20					0.3	0.8			—	—	—		0.6		1.10	1.30	1.10	1.30	UU187	bn	139.95
ZB6PD1-1900	1700-1900			32	20					0.4	0.8			—	—	—		0.6		1.10	1.30	1.09	1.40	UU187	bn	149.95
* ZB6PD-2	800-2000			27	17					0.7	1.7			—	—	—		0.7		1.20	1.60	1.13	1.30	Z259	bn	158.95
ZB6PD-17	600-1700			25	18					0.35	0.9			7				0.5		1.22	1.60	1.15	1.35	UU586	bn	139.95
ZB6PD-1700	1500-1700			30	20					0.5	1.0			—	—	—		0.6		1.15	1.50	1.30	1.50	Z41	bn	149.95
ZFSC-6-1	1-175	27	22	26	20	26	20	0.75	1.0	0.75	1.2	0.8	1.2	2	6	12	0.2	0.4	0.6					Q28	bn	99.95
■ ZFSC-6-1-75	1-200	30	25	30	22	20	18	0.75	1.0	0.75	1.0	0.9	1.2	2	6	12	0.2	0.4	0.6					Q28	bn	102.95
ZFSC-6-110	1-500	35	25	26	20	25	20	0.5	0.8	0.6	1.1	1.0	1.7	2	6	12	0.3	0.3	0.8					Q28	bn	109.95

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]

see suggested PCB layout PL-089 for AD6PS-1

pin and coaxial connections

see case style outline drawing for pin locations

PORT	bj	bk	bm	bn	gg	mb	mc	md	mf
SUM PORT	1	1	S	S (COM)	1	1	1	1	11
PORT 1	4	3	1	1	3	8	8	6	1
PORT 2	8	4	2	2	8	7	7	8	2
PORT 3	12	8	3	3	12	6	6	7	3
PORT 4	16	12	4	4	16	5	5	5	5
PORT 5	15	16	5	5	15	4	4	3	6
PORT 6	—	15	—	6	—	—	3	—	7
GND EXT.	2,5,7,11,13,14	2,5,7,11,13,14	—	—	2,5,7,11,13,14	2,3	2	2,4	all others
CASE GND	2,5,7,11,13,14	2,5,7,11,13,14	—	—	4,6,9,10	—	—	—	—
NOT USED	3,6,9,10	6,9,10	—	—	—	—	—	—	—
DEMO BOARD	—	—	—	—	—	TB-82	TB-84	—	—

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