

# POWER SPLITTERS/COMBINERS 50&75Ω

## 3 WAY-0° 10 kHz to 4.2 GHz

SURFACE MOUNT



ADPS



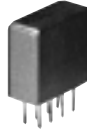
JPS



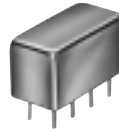
LRPS-J



SCP



MSC-3



PSC-3



ZN3PD

MODEL NO.	FREQ. RANGE MHz $f_L$ - $f_U$	ISOLATION dB						INSERTION LOSS, dB Above 4.8dB						PHASE UNBAL. Degrees			AMPLITUDE UNBAL. dB			VSWR (:1)				CASE STYLE Note B	CONNECTION	PRICE \$ Qty. (1-9)	
		L Typ.	M° Min.	U Typ.	M° Min.	L Typ.	M° Min.	U Typ.	M° Min.	L Typ.	M° Max.	U Typ.	M° Max.	L Max.	M° Max.	U Max.	S Typ.	OUT Max.	S Typ.	OUT Max.							
◆ AD3PS-1 NEW JPS-3-1	1-300	40	23	35	20	27	18	0.3	0.8	0.4	1.0	0.8	1.5	1	4	6	0.2	0.3	0.5					CJ725	ma	9.95***	
	5-300	34	25	33	23	32	20	0.3	0.6	0.3	0.7	0.5	1.4	2	4	6	0.4	0.4	0.6					BH292	hg	13.95	
		L <sub>2</sub>	U <sub>2</sub>					L <sub>2</sub>	U <sub>2</sub>					L <sub>2</sub>	U <sub>2</sub>		L <sub>2</sub>	U <sub>2</sub>						BH292	hg	14.95	
JPS-3-1W	50-750	23	17	26	17			0.4	1.0	0.9	1.4			6	7		0.3	0.6						A03	jq	21.95	
MSC-3-1W	50-750	22	18	22	17			0.4	1.0	0.9	1.5			4	7		0.4	0.7									
◆ LRPS-3-1J	10-300	25	20	25	20	25	20	0.2	0.6	0.3	0.8	0.5	1.2	2	3	4	0.1	0.3	0.7					QQQ569	gt	19.95	
◆ LRPS-3-850J	500-850			23	16					0.7	1.6				8			0.9						QQQ569	hc	16.95	
◆ SCP-3-1	1-300	30	25	25	20	20	15	0.3	0.6	0.4	0.8	0.7	1.5	1	2	4	0.1	0.15	0.5					YY101	bd	16.95	
PSC-3-1	1-200	45	30	40	30	40	25	0.6	1.0	0.4	0.7	0.6	1	1	2	4	0.15	0.2	0.3					A01	bb	25.95	
PSC-3-1A	1-300	38	30	33	23	29	22	0.2	0.5	0.2	0.7	0.6	1.5	1	3	5	0.2	0.3	0.6					A01	bb	28.95	
PSC-3-1W	5-500	25	20	31	15	25	15	0.4	0.8	0.4	1.4	0.8	1.4	2	3	5	0.1	0.3	0.6					A01	bc	37.95	
❖ PSC-3-2	0.01-30	35	30	40	25	30	25	0.25	0.45	0.15	0.45	0.45	0.75	1	2	4	0.2	0.3	0.4					A01	bb	37.95	
■ PSC-3-1-75	1-200	35	23	35	25	35	25	0.6	1.0	0.3	0.7	0.6	1	2	3	4	0.15	0.2	0.3					A01	bb	25.95	
■ PSC-3-13	1-200	45	35	45	30	37	30	0.25	0.5	0.35	0.6	0.35	0.8	1	3	4	0.1	0.2	0.2					A01	bb	31.95	
■ PSC-3-13-39	0.5-50	47	33	46	35	40	33	0.15	0.4	0.15	0.4	0.15	0.4	1	1	2	0.1	0.1	0.1					A01	bb	31.95	
ZN3PD-900	800-900			30	20					0.2	0.4			—				0.5			1.09	1.30	1.09	1.30	UU181	be	74.95
ZN3PD-900W	650-1050			22	15					0.3	0.8			—				0.8			1.09	1.80	1.09	1.30	UU181	be	69.95

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  $f_U$ ]

### NOTES:

- ◆ Aqueous washable. For non-aqueous washable requirements, LRPS models available in case style QQQ130.
- Non-hermetic
- Denotes 75 Ohm model, for coax connector models 75 Ohm BNC connectors are standard.
- ❖ At low range frequency band ( $f_L$  to  $10 f_L$ ), linearly derate maximum input power by 13 dB.
- ⊕ When specification for only M range given, specifications apply to entire frequency range.
- \*\*\* Price for quantities 10-49.
- 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, models ZA3PD, ZN3PD 10Watt  
 model AD3PS-1 0.5Watt  
 other models 1Watt
  - 1b. Internal load dissipation 0.375 Watt, except models JPS-3-1, JPS-3-1W, MSC-3-1W, ZFSC-3-4-75, 0.5Watt.  
 AD3PS-1, ZB3PD-2400, 0.25Watt



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ISO 9001 CERTIFIED

020710

# Surface Mount <sup>□</sup>, Plug-In & Coaxial



MODEL NO.	FREQ. RANGE MHz $f_L$ - $f_U$	ISOLATION dB						INSERTION LOSS, dB Above 4.8dB						PHASE UNBALANCE Degrees			AMPLITUDE UNBALANCE dB			CASE STYLE Note B	CONNECTION	PRICE \$ Qty. (1-9)
		L		M <sup>o</sup>		U		L		M <sup>o</sup>		U		L	M <sup>o</sup>	U	L	M <sup>o</sup>	U			
		Typ.	Min.	Typ.	Min.	Typ.	Min.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Max.	Max.	Max.	Max.	Max.	Max.			
ZFSC-3-1	1-500	30	20	30	20	25	18	0.4	0.75	0.5	0.9	0.8	1.2	2	3	4	0.2	0.3	0.4	J17	be	51.95
ZFSC-3-1W	2-750	30	20	30	20	25	18	0.4	0.75	0.5	1.0	1.0	1.6	3	5	7	0.2	0.3	0.5	J17	be	53.95
ZFSC-3-13	1-200	45	30	48	35	37	30	0.25	0.5	0.35	0.6	0.35	0.6	1	3	5	0.1	0.2	0.2	J17	be	51.95
ZFSC-3-4	1-1000	35	20	20	18	20	17	0.2	0.5	0.7	1.4	1.0	2.0	3	6	10	0.2	0.4	0.9	J17	be	59.95
ZFSC-3-4-75	1-1000	34	22	27	17	23	15	0.2	0.5	0.4	1.2	1.2	2.0	3	6	10	0.5	0.7	0.9	J17	be	59.95
<b>NEW</b> ZB3PD-2400W	700-2400			25	17					0.5	1.2					8		0.9		UU182	mw	99.95
ZA3PD-1	500-1000	20	14	20	14	20	14	0.3	0.6	0.3	0.6	0.3	0.6	—	—	—	0.4	0.4	0.4	CC51	be	89.95
ZA3PD-1.5	750-1500	20	14	20	14	20	14	0.3	0.7	0.3	0.7	0.3	0.7	—	—	—	0.4	0.4	0.4	CC51	be	89.95
ZA3PD-2	1000-2000	20	15	20	15	20	15	0.3	0.6	0.3	0.6	0.3	0.6	—	—	—	0.3	0.3	0.3	CC51	be	89.95
ZA3PD-4	2000-4200	18	14	18	14	18	14	0.7	1.0	0.7	1.0	0.7	1.0	—	—	—	0.9	0.9	0.9	CC51	be	89.95
ZCSC-3-R3	2-300	32	28	31	28	32	22	0.3	0.8	0.4	1.0	0.8	1.2	1	2	3	0.1	0.3	0.3	UU233	be	43.95
ZMSC-3-1	1-200	45	35	40	25	40	25	0.3	0.5	0.4	0.7	0.6	1	1	2	4	0.15	0.2	0.3	P26	be	57.95
ZSC-3-1	1-200	45	30	40	25	40	25	0.3	0.5	0.4	0.7	0.6	1.0	1	2	4	0.15	0.2	0.3	P25	be	51.95
✦ ZSC-3-2*	0.01-30	35	30	40	25	30	25	0.25	0.45	0.15	0.45	0.45	0.75	1	2	4	0.2	0.3	0.4	P25	be	61.95
■ ZSC-3-1-75	1-200	35	30	35	25	35	25	0.6	1.0	0.4	0.7	0.6	1.0	2	3	4	0.15	0.2	0.3	P25	be	52.95

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 drawings

PORT	bb	bc	bd	be	gt	hc	ig	jq	ma	mw
SUM PORT	6	1	6	5	6	6	1	1	1	5
PORT 1	1	5	1	1	1	1	6	5	8	1
PORT 2	2	7	2	2	2	3	4	6	5	2
PORT 3	5	8	5	3	3	4	3	2	4	4
NOT USED	—	—	—	—	—	—	—	—	—	3
GND EXT.	3,4,7,8	2,3,4,6	3,4,7,8	—	4,5	2,5	2,5	3,4,7,8	2,3,6,7	—
CASE GND	3,4,7,8	2,3,4,6	—	—	—	—	—	3,4,7,8	—	—

### MIL-P-23971/15, NSN GUIDE

MCL NO.	NSN
PSC-3-1	6625-01-015-6027
PSC-3-1W	5985-01-295-5898
PSC-3-13	6625-01-249-8011
ZA3PD-2	5895-01-357-3919
ZFSC-3-1(SMA)	5895-01-361-8520
ZFSC-3-1	6625-01-235-6873
ZFSC-3-13	5895-01-335-1824
ZFSC-3-13(SMA)	5985-01-409-0884
ZFSC-3-4(SMA)	6625-01-333-1126
ZFSC-3-4(BNC)	6625-01-454-7617
ZMSC-3-1B(SMA)	6625-01-170-0102
ZSC-3-1	6625-01-327-4755
ZSC-3-1B(BNC)	6625-01-008-9566
ZSC-3-1BR	5985-01-462-0144
ZSC-3-2BR	5985-01-315-2870
ZSC-3-2B(BNC)	5820-01-120-9320



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