

Power Splitter/Combiners

3 WAY-0°

10 kHz to 4.2 GHz

case style selection

outline drawings see Table of Contents



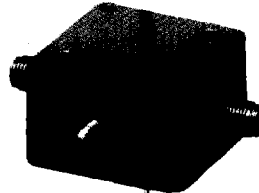
PSC-3



SCP-3



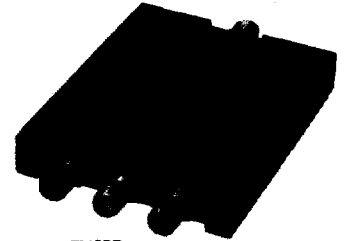
LRPS-3



ZFSC-3



TO8SC-3



ZN3PD

MODEL NO.	FREQ. RANGE MHz f_L - f_U	ISOLATION dB			INSERTION LOSS, dB Above 4.8dB			PHASE UNBALANCE Degrees			AMPLITUDE UNBALANCE dB			VSWR (:1)		CAPD DATA (see RF/IF Designer handbook) Page	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.	S Typ.	OUT Max.												
PSC-3-1	1-200	45	30	40	30	40	25	0.6	1.0	0.4	0.7	0.6	1	2	4	0.15	0.2	0.3	2-46	A01	bb	23.95					
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	2-104	A01	bb	26.95				
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	2-46	A01	bc	35.95				
✦ 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	2-105	A01	bb	35.95				
■ 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	2-48	A01	bb	23.95				
■ PSC-3-1-75-2	10-300	28	20	25	20	28	20	0.2	0.4	0.3	0.5	0.4	0.7	2	3	4	0.15	0.2	0.3	2-48	A01	bc	27.95				
PSC-3-13	1-200	45	35	45	30	37	30	0.25	0.5	0.35	0.6	0.35	0.6	1	3	4	0.1	0.2	0.2	2-47	A01	bb	29.95				
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	2-105	A01	bb	29.95				
● LRPS-3-1	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	—	QQQ130	gf	19.95				
● LRPS-3-850	500-850			23	16					0.7	1.6			6				0.9		—	QQQ130	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	2-104	YY101	bd	16.95				
ZN3PD-900	800-900			30	20									—	—	—		0.5		1.09	1.30	1.09	1.30	2-103	UU181	be	74.95
ZN3PD-900W	650-1050			22	15									—	—	—		0.8		1.09	1.80	1.09	1.30	2-103	UU181	be	69.95
TO8SC-3-1W	80-800	L2 24	20	U2 28	20			L2 0.4	0.7	U2 0.7	1.3			L2 3	U2 4			0.2	0.4	—	—	—	—	—	QQ96	gz	29.95

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:

- * Isolation 25 dB, -55 to 0 deg.C over 0.01-0.1 MHz
- Surface-mount, non-hermetic, available on tape and reel
- 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 only specification for M range given, specifications applied to entire frequency range.
- A. General Quality Control Procedures, Environmental Specifications, HI-Rel, MIL and TX 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 ZA3PD, ZN3PD 10 Watt
other models 1 Watt
 - 1b. Internal load dissipation 0.375 Watt