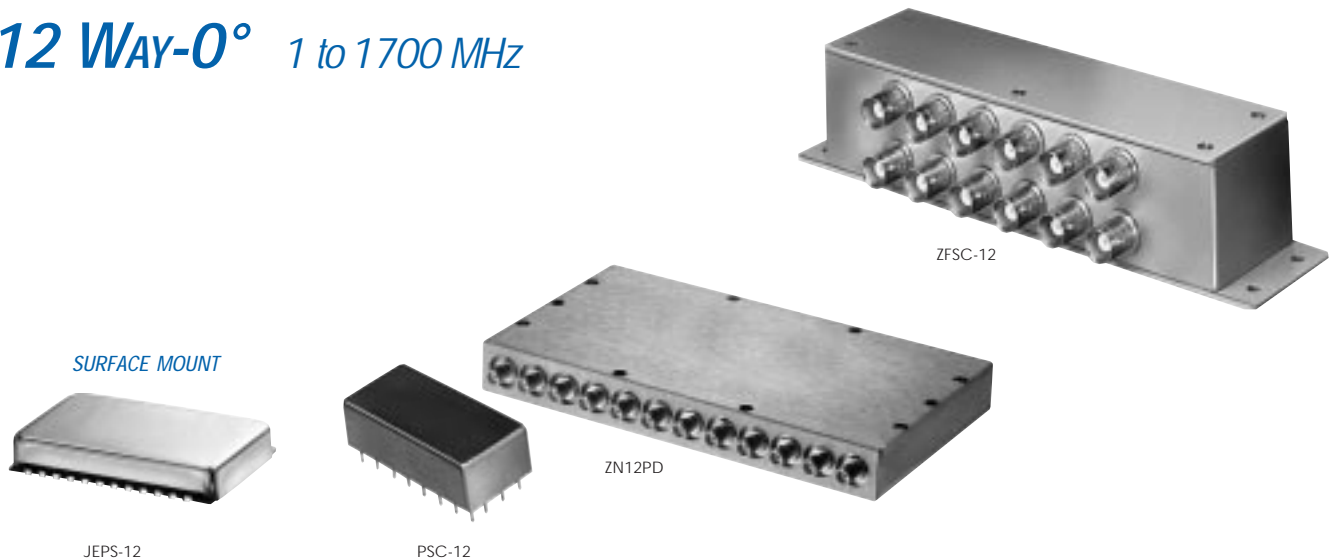


# POWER SPLITTERS/COMBINERS

50&75Ω

## 12 Way-0° 1 to 1700 MHz



MODEL NO.	FREQ. RANGE MHz $f_L$ - $f_U$	ISOLATION dB			INSERTION LOSS, dB Above 10.8dB			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.								
◆ JEPS-12-10	50-1000	25	16	—	—	23	1.6	2.5	—	—	2.2	4.0	10	—	23	0.7	—	1.4	BL372	lx	109.95
◆ PSC-12-1	1-200	35	30	27	20	21	0.5	0.8	0.8	1.2	1.0	1.4	4	8	16	0.2	0.4	0.7	E10	bu	88.95
ZN12PD-17	800-1700		30	18				0.45	1.2				14				0.7		UU589	—	249.00
ZFSC-12-1	1-200	30	25	35	20	28	0.8	1.2	1.1	1.4	1.3	1.6	4	8	16	0.3	0.2	0.3	R67	—	174.95
■ ZFSC-12-1W-75	5-860	33	22	30	20	26	0.5	1.2	0.8	2.5	1.6	4.2	2	8	20	0.7	0.8	1.5	R67	—	199.95
ZFSC-12-11	10-300	28	20	33	25	28	1.1	1.3	1.1	1.5	1.5	1.8	2	4	6	0.2	0.3	0.4	R67	—	174.95
■ ZFSC-12-1-75	10-200	35	27	—	—	27	0.5	0.8	—	—	0.8	1.3	—	—	—	0.25	—	0.4	R67	—	179.95
■ ZFSC-12-175	10-500	23	20	24	20	22	0.9	1.2	1.0	1.3	1.2	2.0	—	—	—	0.4	0.5	0.8	R67	—	197.95

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, for coax connector models 75 Ohm BNC connectors are standard.
- ⊛ 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 input power by 13 dB.
- 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 ZC16PD ..... 10 Watt
    - Model ZN12PD ..... 5 Watt
    - Model ZC16PD-23 ..... 2 Watt
    - Model JEPS ..... 0.5 Watt
    - All other models ..... 1 Watt
  - 1b. Internal load dissipation,
    - Model ZC16PD, ZC16PD-24 ..... 2.4 Watt
    - Model ZN12PD, ZC16PD-23 ..... 2 Watt
    - Model ZC16PD-2185 ..... 1.75 Watt
    - Model ZFSC-12-1W-75 ..... 1.5 Watt
    - Model JEPS-16-1W-75 ..... 0.275 Watt
    - Model JEPS-16-1W ..... 1.875 Watt
    - All other models ..... 0.87 Watt

### NSN GUIDE

MCL NO.  
ZFSC-16-1(BNC)

NSN  
5820-01-9321



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Surface Mount □, Plug-In & Coaxial

# 16 Way-0° 10 kHz to 2.6 GHz



MODEL NO.	FREQ. RANGE MHz $f_L$ - $f_U$	ISOLATION dB			INSERTION LOSS, dB Above 12dB			PHASE UNBAL. Degrees			AMPLITUDE UNBAL. dB			VSWR (:1)		CASE STYLE	CONNECTION	PRICE \$ Qty. (1-9)								
		L Typ.	M <sup>o</sup> Min.	U Typ.	L Typ.	M <sup>o</sup> Max.	U Typ.	L Max.	M <sup>o</sup> Max.	U Max.	L Max.	M <sup>o</sup> Max.	U Max.	S Typ.	OUT Max.											
NEW ◆ JEPS-16-1W	5-1000	36	23	23	17	20	15	0.8	2.0	1.5	2.5	3.0	4.2	8	13	20	1.5	1.2	1.8	1.2	—	1.2	—	BL372	kf	79.95
◆ JEPS-16-1W-75	10-800	32	20	23	15	20	15	1.6	3.5	1.9	3.5	2.2	4.0	10	15	30	0.8	1.2	2.1	1.40	—	1.16	—	BL372	kf	139.95
ZFSC-16-1	0.5-125	30	24	25	18	20	15	1.0	1.2	1.1	1.3	1.2	1.4	1	3	5	0.3	0.2	0.5	see Yoni for			R30	—	172.95	
ZFSC-16-1-75	1-150	30	25	30	25	25	20	0.8	1.1	0.7	1.1	1.0	1.3	3	6	10	0.4	0.2	0.4	Performance			R30	—	182.95	
ZFSC-16-3	1-30	—	—	45	28	—	—	0.5	0.9	0.5	0.9	0.5	0.9	1	2	3	0.1	0.1	0.1	Data and			R30	—	172.95	
◆ ZFSC-16-675	0.01-25	25	20	40	25	25	20	0.8	1.1	0.4	0.8	1.0	1.6	1	3	5	0.1	0.2	0.4	curves			R30	—	189.95	
ZFSC-16-12	0.1-200	33	20	27	20	26	20	0.6	1.5	0.7	1.0	0.9	1.5	2	6	9	0.4	0.2	0.4				R30	—	189.95	
ZC16PD-24	650-2400			25	14					0.8	2.25					14		0.9		1.20	1.90	1.10	1.50	UU640	—	349.00
ZC16PD-900	800-900			30	20					0.5	1.0							0.5		1.06	1.20	1.06	1.20	UU179	—	295.00
ZC16PD-960	890-960			28	20					0.5	1.0							0.5		1.06	1.30	1.06	1.20	UU179	—	295.00
ZC16PD-960W	700-1000			26	15					0.5	1.3							0.6		1.10	1.60	1.06	1.30	UU179	—	265.00
ZC16PD-1900	1700-1900			30	20					0.5	1.0							0.8		1.15	1.35	1.06	1.30	UU179	—	309.00
ZC16PD-1900W	1500-2100			30	15					0.7	1.4							0.8		1.25	1.60	1.15	1.35	UU179	—	319.00
ZC16PD-23	1500-2300			32	20					0.8	1.4					11		0.6		1.15	1.60	1.10	1.40	UU640	—	319.00
ZC16PD-2185	1800-2600			30	16					0.5	1.4					6		0.7		1.15	1.60	1.05	1.30	UU179	—	319.00

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-090 for JEPS-16-1W model

pin and coaxial connections see case style outline drawings

PORT	SUM	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12	#13	#14	#15	#16	NOT USED	GND EXT.	CASE GND
bu	5	7	8	1	2	31	32	25	26	22	30	19	27	—	—	—	—	11,14,21	4	all other pins
kf	18	2	3	4	5	9	10	11	12	13	14	15	16	20	21	22	23	—	all other pins	—
lx	18	2	3	4	5	8	9	10	11	14	15	22	23	—	—	—	—	—	all other pins	—



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