

Coaxial

Directional Couplers

75Ω 5 to 1500 MHz

Z30-75 SERIES

NEW!



K18

Features

- very flat coupling
- very broad, multi-octave
- all welded construction
- protected by patent 6140887
- additional patent pending

Applications

- instrumentation
- cable tv
- communication receivers & transmitters

Electrical Specifications ($T_{AMB} = -55^{\circ}\text{C}$ to 100°C)

MODEL NO.	FREQ. RANGE (MHz) f _L -f _U	COUPLING (dB) Max. Flatness		MAINLINE LOSS (dB)						DIRECTIVITY (dB)				VSWR (:1) Typ.	POWER INPUT, W		CASE STYLE	CONNECTION	PRICE \$		
				L		M		U		L		M			U				L	MU	Qty. (1-24)
		Nom.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.	Min.	Typ.	Min.	Typ.	Min.	Typ.	Max.	Max.				
Z30-10-4-75	5-1000	10.5±0.5	±0.7	1.5	2.5	1.5	2.3	1.5	2.2	22	16	21	14	19	—	1.30	0.5	1.0	K18	db	29.95
Z30-13-5-75	5-1000	13.4±0.5	±0.7	0.85	1.4	0.9	1.6	1.0	1.7	22	17	20	14	19	—	1.30	0.5	1.0	K18	db	29.95
	1000-1500	14.0±0.5	±0.9			1.2	2.2					18	—			1.40	0.5	1.0			
Z30-16-5-75	5-1000	16.5±0.5	±0.9	1.1	2.0	1.1	1.6	1.2	1.7	22	16	24	16	24	—	1.30	0.5	1.0	K18	db	29.95
	1000-1500	17.7±0.5	±1.0			1.3	1.9					19	—			1.30	0.5	1.0			
Z30-18-4-75	5-1000	18.5±0.5	±0.9	0.8	1.5	0.85	1.5	0.95	1.6	28	17	23	16	15	—	1.30	1.0	1.0	K18	db	29.95

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]

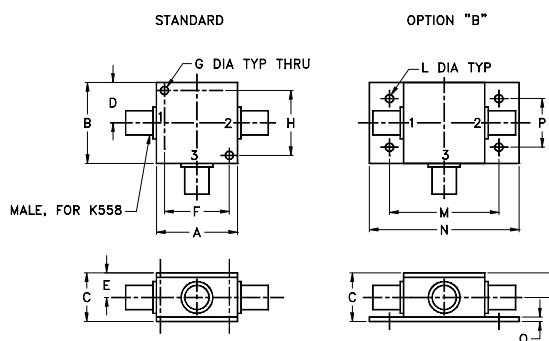
Maximum Ratings

Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C

Pin Connections

PORT	(db)
INPUT	1
OUTPUT	2
COUPLED	3

Outline Drawing



Outline Dimensions (inch/mm)

A	B	C	D	E	F	G	H
1.25	1.25	.75	.63	.38	1.000	.125	1.000
31.75	31.75	19.05	16.00	9.65	25.40	3.18	25.40
J	K	L	M	N	P	Q	wt.
—	—	.125	1.688	2.18	.75	.07	grams
—	—	3.18	42.88	55.37	19.05	1.78	70.0

REV. OR
M79820
Z30-10-4-75 EDR-5734
Z30-13-5-75 EDR-5760
Z30-16-5-75 EDR-5761
Z30-18-4-75 EDR-5762
Z30-75 SERIES
RVN/TD/CP
020121



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