

Coaxial

Directional Couplers

50Ω 5 to 2000 MHz

NEW!

Z30-SERIES



FL905

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)		MAINLINE LOSS (dB)			DIRECTIVITY (dB)			VSWR (:1) Typ.	POWER INPUT, W		CASE STYLE	COMPLIANCE	PRICE \$ Qty. (1-24)						
		Nom.	Max. Flatness	L Typ.	M Typ.	U Typ.	L Typ.	M Typ.	U Min.		L Max.	MU Max.									
Z30-9-4	5-1000	8.9±0.5	±0.5	1.1	2.0	1.1	1.8	1.3	2.0	21	17	20	13	16	—	1.20	0.5	1.0	FL905	db	29.95
Z30-12-4	5-1000	12.3±0.5	±0.9	0.7	1.8	0.75	1.4	0.9	1.6	35	25	30	18	19	—	1.15	0.5	1.0	FL905	db	29.95
Z30-13-4	5-1000	13.0±0.5	±0.7	0.6	1.3	0.7	1.3	0.9	1.6	21	17	19	13	14	—	1.15	0.5	1.0	FL905	db	29.95
Z30-17-5	50-1000	16.8±0.7	±0.9			0.7	1.4					20	13			1.30	0.5	1.0	FL905	db	29.95
	1000-1500	17.7±0.9	±1.0			0.85	1.5					18	9			1.30	0.5	1.0			
	1500-2000	18.5±1.0	±0.8			1.1	1.7					11	—			1.30	0.5	1.0			
Z30-20-4	20-1000	20.5±0.6	±0.9	0.3	1.0	0.35	1.0	0.5	1.2	22	15	25	18	19	—	1.11	1.0	1.0	FL905	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]

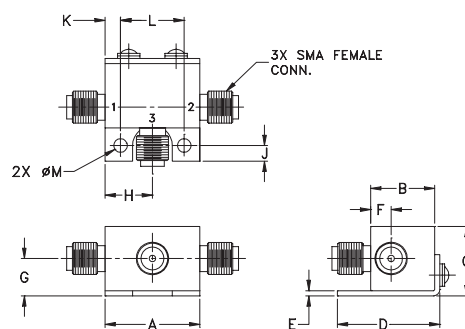
Maximum Ratings

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	J
.74	.50	.54	.80	.04	.16	.29	.37	.122
18.80	12.70	13.72	20.32	1.02	4.06	7.37	9.40	3.10
K	L	M	wt.					
.122	.496	.106	grams					
3.10	12.60	2.69	20.0					

REV. A
M81970
Z30-9-4 EDR-5733/1
Z30-12-4 EDR-5752/1
Z30-13-4 EDR-5753/1
Z30-17-5 EDR-5754/1
Z30-20-4 EDR-5755/2
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