

Power Splitters/Combiners

ZX10-SERIES

2 Way-0°, 50Ω 2 to 12600 MHz



CASE STYLE: FL905

Features

- low insertion loss, 0.25 dB typ.
- excellent amplitude unbalance
- very good phase unbalance
- small size
- low cost
- patent pending

Applications

- communications
- defense
- cable tv relay
- radio
- cellular/GSM
- UHF/VHF receivers/transmitters

- PCN/PCS
- VSAT
- DECT
- PHS

Electrical Specifications ($T_{AMB}=25^{\circ}\text{C}$)

MODEL NO.	FREQ. RANGE (MHz)	ISOLATION (dB)	INSERTION LOSS (dB) above 3.0 dB	PHASE UNBALANCE (Deg.)	AMPLITUDE UNBALANCE (dB)	CASE STYLE	CONNECTION	PRICE \$
	f_L-f_U	Typ. Min.	Typ. Max.	Max.	Max.			Qty. (1-24)
ZX10-2-12	2-1200 2-20 20-600 600-1000	21 16 29 21 25 18 21 18	0.5 1.5 0.3 0.7 0.3 0.8 0.5 1.0	3.0 3.0 2.0 2.0	0.5 0.5 0.4 0.5	FL905	ar	24.95
ZX10-2-20	200-2000 800-1000 500-1500 1800-2000	20 16 22 17 22 17 20 17	0.8 2.2 0.5 0.9 0.5 1.3 1.6 2.2	6.0 2.0 3.0 6.0	0.4 0.3 0.4 0.4	FL905	ar	24.95
ZX10-2-25	1000-2500 1400-1800 1800-2000	20 14 18 16 19 16	1.2 2.2 0.9 1.4 0.9 1.4	10.0 6.0 6.0	1.2 0.6 0.6	FL905	ar	26.95
ZX10-2-42	1900-4200 2600-3400	23 10 23 17	0.2 1.0 0.2 0.5	3.0 2.0	0.3 0.3	FL905	ar	34.95
ZX10-2-71	2950-7100 4500-5700	23 10 23 18	0.25 0.9 0.2 0.4	3.0 3.0	0.4 0.3	FL905	ar	34.95
ZX10-2-98	4750-9800 7000-9000	23 10 23 18	0.3 1.2 0.3 0.8	9.0 8.0	0.5 0.4	FL905	ar	39.95
ZX10-2-126	7400-12600 9000-11000	23 10 23 16	0.3 1.3 0.3 0.6	10.0 5.0	0.5 0.3	FL905	ar	39.95

Maximum Ratings

Operating Temperature -40°C to 85°C

Storage Temperature -55°C to 100°C

Power Input (as a splitter) 1.0*W max.

Power Input (as a combiner) 0.125**W max.

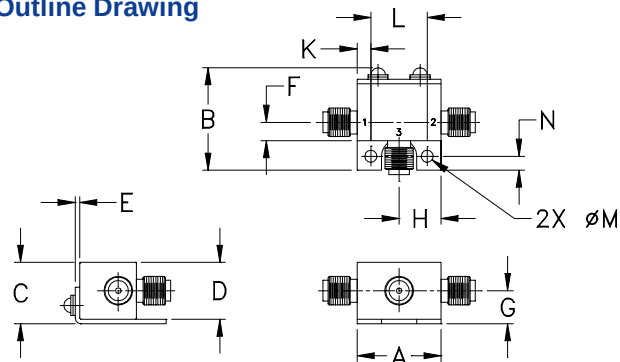
*0.5W max. for ZX10-2-12, ZX10-2-20

**0.1W max. for ZX10-2-42 and ZX10-2-126

Port Connections

PORT	(ar)
SUM PORT	3
PORT 1	1
PORT 2	2

Outline Drawing



Outline Dimensions (inch/mm)

A	B	C	D	E	F	G	H	J
.74	.90	.54	.50	.04	.16	.29	.37	—
18.80	22.86	13.72	12.70	1.02	4.06	7.37	9.40	—
K	L	M	N	wt.				
.122	.496	.106	.122	grams	REV. D			
3.10	12.60	2.69	3.10	20.0	M92138			
					ZX10-2			
					ZX10-2			

REV. D
M92138
ZX10-2-12 ED-10145/1
ZX10-2-20 ED-10145/2
ZX10-2-25 ED-10145/3
ZX10-2-42 ED-10281/2
ZX10-2-71 ED-10146/1
ZX10-2-98 ED-10280/1
ZX10-2-126 ED-10227/1
ZX10-SERIES
HYRS/CP
040429

designers kit available

KIT No.	No. of Units in KIT	Description	Price \$ per KIT
K1-ZX10	7	1 of each model in free deluxe wood storage case	199.95