

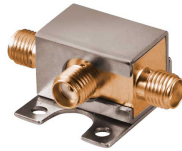
# Power Splitters/Combiners

## ZX10-SERIES

2 Way-0°, 50Ω 2 to 12600 MHz

### Features

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



CASE STYLE: FL905

### Applications

- communications
- defense
- cable tv relay
- radio
- cellular/GSM
- UHF/VHF receivers/transmitters
- PCN/PCS
- VSAT
- DECT
- PHS

### Electrical Specifications (T<sub>AMB</sub>=25°C)

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

### 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	

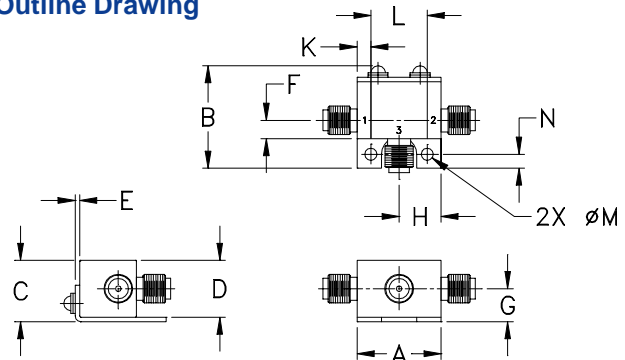
### Port Connections

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

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

### 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				
3.10	12.60	2.69	3.10	20.0				

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