

Coaxial

# Power Splitter/Combiner

ZC16PD-960

16 Way-0° 50Ω 890 to 960 MHz

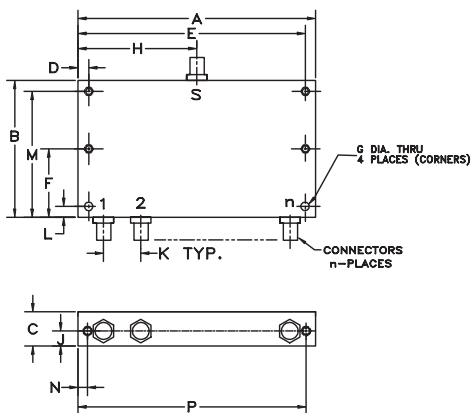
## Maximum Ratings

Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
Power Input (as a splitter)	10W max.
Internal Dissipation	2.4W max.

## Coaxial Connections

SUM PORT	S
PORT 1,2,3.....,16	1,2,3.....,16

## Outline Drawing



## Outline Dimensions (inch/mm)

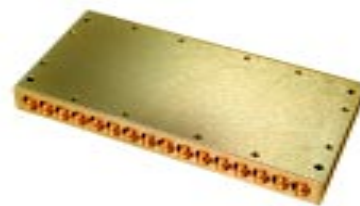
A	B	C	D	E	F	
8.50	3.95	.75	.250	8.250	-	
215.90	100.33	19.05	6.35	209.55	-	
G	H	J	K	L	M	wt
.187	4.250	.38	.500	.475	3.475	grams
4.75	107.95	9.65	12.70	12.07	88.27	710

## Features

- high isolation, 28 dB typ.
- low insertion loss, 0.5 dB typ.
- excellent VSWR, 1.06:1 typ.
- up to 10W power input as splitter
- rugged, shielded case

## Applications

- UHF
- cellular
- communication systems



CASE STYLE: UU179

Connectors	Model	Price	Qty.
SMA	ZC16PD-960-S	\$295.00	(1-9)

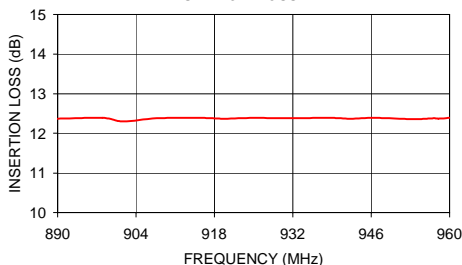
## Splitter Electrical Specifications

FREQ. RANGE (MHz)	ISOLATION (dB)		INSERTION LOSS (dB) ABOVE 12 dB		AMPLITUDE UNBALANCE (dB)	VSWR (:1)	
	Typ.	Min.	Typ.	Max.		S Typ.	OUT Typ.
$f_c - f_u$					Max.		
890-960	28	20	0.5	1.0	0.5	1.06	1.3

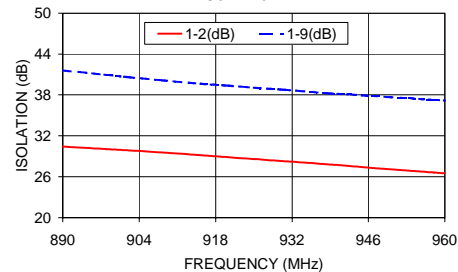
## Typical Performance Data

Frequency (MHz)	Insertion Loss (dB) S-1	Amplitude Unbalance (dB)	Isolation (dB)		VSWR S	VSWR 1
			1-2	1-9		
890.00	12.37	0.24	30.43	41.59	1.09	1.00
898.00	12.39	0.24	30.07	40.94	1.07	1.01
901.75	12.30	0.22	29.88	40.62	1.07	1.01
907.75	12.38	0.25	29.58	40.17	1.06	1.01
915.25	12.39	0.23	29.16	39.64	1.04	1.01
919.75	12.37	0.25	28.89	39.39	1.04	1.02
925.00	12.39	0.24	28.61	39.06	1.04	1.02
930.25	12.38	0.25	28.30	38.77	1.03	1.02
938.50	12.39	0.26	27.83	38.25	1.03	1.03
942.25	12.37	0.24	27.60	38.08	1.04	1.03
946.75	12.39	0.25	27.29	37.83	1.04	1.03
953.50	12.36	0.26	26.89	37.51	1.06	1.03
957.25	12.38	0.24	26.68	37.30	1.06	1.04
958.00	12.37	0.26	26.63	37.28	1.07	1.04
960.00	12.39	0.25	26.51	37.19	1.07	1.04

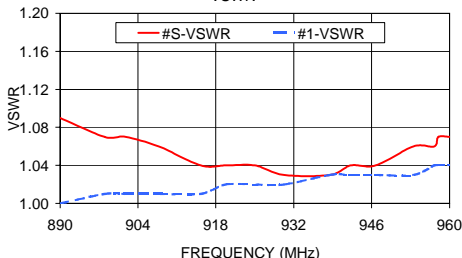
ZC16PD-960 INSERTION LOSS



ZC16PD-960 ISOLATION



ZC16PD-960 VSWR



## electrical schematic

