

Coaxial

# Power Splitter/Combiner

## ZFSC-16-1-75+ ZFSC-16-1-75

16 Way-0° 75Ω

1 to 150 MHz



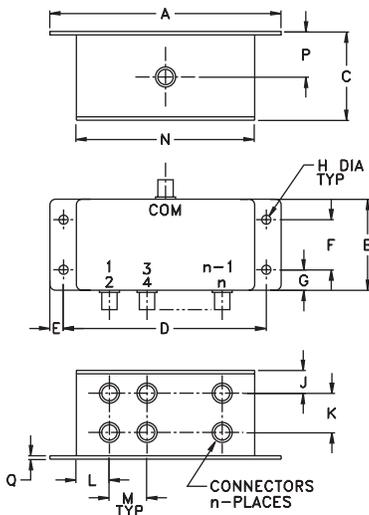
### Maximum Ratings

Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
Power Input (as a splitter)	1W max.
Internal Dissipation	0.87W max.

### Coaxial Connections

SUM PORT	S(COM)
PORT 1,2,3.....,16	1,2,3.....,16

### Outline Drawing



### Outline Dimensions (inch/mm)

A	B	C	D	E	F	G	H
6.69	1.60	1.50	6.22	.24	.88	.36	.160
169.93	40.64	38.10	157.99	6.10	22.35	9.14	4.06
J	K	L	M	N	P	Q	wt.
.40	.69	.55	.66	5.72	.81	.06	grams
10.16	17.53	13.97	16.76	145.29	20.57	1.52	500

### Features

- low insertion loss, 0.7 dB typ.
- high isolation, 30dB typ.
- excellent amplitude unbalance, 0.2 dB typ.
- rugged, shielded case

### Applications

- HF/VHF
- communication systems
- instrumentation

CASE STYLE: R30

Connectors	Model	Price	Qty.
BNC	ZFSC-16-1-75(+)	\$182.95	(1-9)

+ RoHS compliant in accordance with EU Directive (2002/95/EC)

The +suffix identifies RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications.

### Splitter Electrical Specifications

FREQ. RANGE (MHz)	ISOLATION (dB)			INSERTION LOSS (dB) ABOVE 12 dB			PHASE UNBALANCE (Degrees)			AMPLITUDE UNBALANCE (dB)		
	L	M	U	L	M	U	L	M	U	L	M	U
$f_L$ - $f_U$	Typ. Min.	Typ. Min.	Typ. Min.	Typ. Max.	Typ. Max.	Typ. Max.	Max.	Max.	Max.	Max.	Max.	Max.
1-150	30	25	25	0.8	1.1	1.0	3	6	10	0.4	0.2	0.4

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  $f_U$ ]

### Typical Performance Data

Frequency (MHz)	Insertion Loss (dB) S-1	Amplitude Unbalance (dB)	Isolation (dB)		Phase Unbalance (deg.)	VSWR S	VSWR 1
			Adjacent	Opposite			
1.00	12.48	0.26	39.02	35.90	1.42	1.31	1.22
3.00	12.40	0.18	42.46	39.97	0.90	1.28	1.14
5.00	12.37	0.15	44.14	41.72	0.75	1.29	1.10
8.00	12.36	0.14	45.18	43.00	0.65	1.30	1.08
13.00	12.36	0.13	45.36	43.42	0.66	1.30	1.07
22.00	12.41	0.11	45.22	42.83	0.75	1.29	1.06
31.00	12.45	0.07	44.91	41.43	0.84	1.29	1.07
40.00	12.49	0.07	45.16	40.14	0.85	1.28	1.08
61.00	12.56	0.08	46.17	37.07	0.95	1.25	1.11
78.00	12.62	0.07	47.21	35.06	0.98	1.22	1.13
87.00	12.63	0.10	48.26	34.15	0.94	1.20	1.14
105.00	12.69	0.10	50.55	32.42	0.99	1.17	1.15
120.00	12.73	0.11	51.55	31.15	0.96	1.15	1.17
135.00	12.76	0.13	52.04	30.00	1.07	1.13	1.19
150.00	12.80	0.14	50.80	28.97	1.18	1.13	1.21

