

Coaxial

Power Splitter/Combiner

ZFSC-12-1-75

12 Way-0° 75Ω

10 to 200 MHz

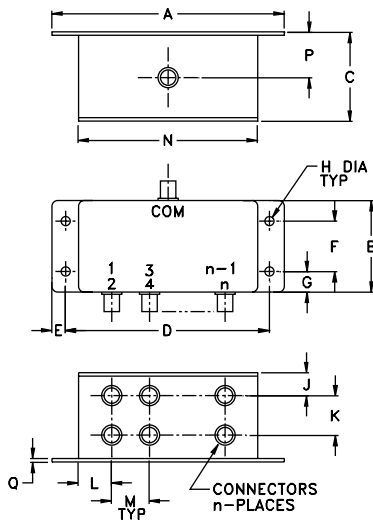
Maximum Ratings

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.....,12	1,2,3.....,12

Outline Drawing



Outline Dimensions (inch/mm)

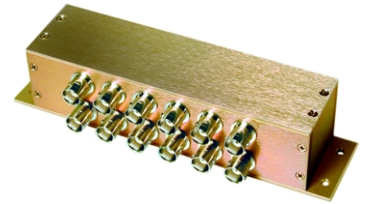
A	B	C	D	E	F	G	H
6.69	1.60	1.50	6.22	.24	.88	.36	.160
7.11	40.64	38.10	157.99	6.10	22.35	9.14	4.06
J	K	L	M	N	P	Q	wt.
.40	.69	1.22	.66	5.72	.81	.06	grams
10.16	17.53	30.99	16.76	145.29	20.57	1.52	500

Features

- high isolation, 30 typ.
- rugged, shielded case

Applications

- VHF
- communication systems
- instrumentation



CASE STYLE: R67

Connectors	Model	Price	Qty.
BNC	ZFSC-12-1-75	\$179.95	(1-9)

Splitter Electrical Specifications

FREQ. RANGE (MHz)	ISOLATION (dB)			INSERTION LOSS (dB) ABOVE 10.8 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.						
10-200	35	27	—	—	27	20	0.5	0.8	—	—	0.8	1.3	—	—	—	0.25	—	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)	Amplitude Unbalance (dB)	Isolation (dB)		Phase Unbalance (deg.)	VSWR S	VSWR 12
			1-3	2-4			
10.00	11.33	0.11	35.42	35.06	0.57	2.07	1.10
18.00	11.37	0.12	37.74	37.70	0.76	1.93	1.06
26.00	11.36	0.11	37.87	38.27	1.24	1.78	1.03
38.00	11.36	0.04	36.96	37.86	1.61	1.50	1.06
50.00	11.33	0.07	35.63	37.12	1.67	1.48	1.07
65.00	11.37	0.09	34.16	36.01	1.53	1.47	1.11
80.00	11.42	0.09	32.95	35.06	1.70	1.47	1.15
95.00	11.44	0.12	31.92	34.21	1.89	1.44	1.18
110.00	11.46	0.14	30.98	33.49	1.89	1.38	1.19
125.00	11.50	0.15	30.37	33.00	2.01	1.31	1.19
140.00	11.52	0.16	29.83	32.65	2.10	1.26	1.19
160.00	11.59	0.17	29.37	32.42	2.24	1.23	1.18
175.00	11.63	0.18	29.13	32.34	2.34	1.23	1.18
190.00	11.68	0.18	28.94	32.34	2.52	1.23	1.20
200.00	11.73	0.19	28.82	32.34	2.65	1.25	1.21

