

Power Splitter/Combiner

ZFSC-16-675

16 Way-0° 75Ω 0.01 to 25 MHz



CASE STYLE: R30

Connectors	Model
BNC	ZFSC-16-675

Maximum Ratings

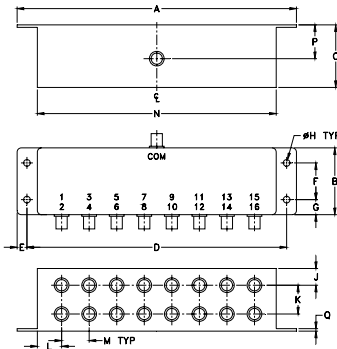
Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
Power Input (as a splitter)	1W max.
Internal Dissipation	0.87W max.

Permanent damage may occur if any of these limits are exceeded.

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	320

Features

- low insertion loss, 0.4 dB typ.
- high isolation, 40 dB typ.
- rugged shielded case

Applications

- HF
- communication systems
- instrumentation

Electrical Specifications

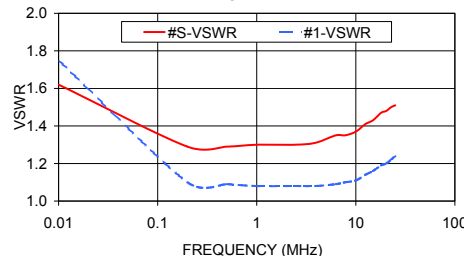
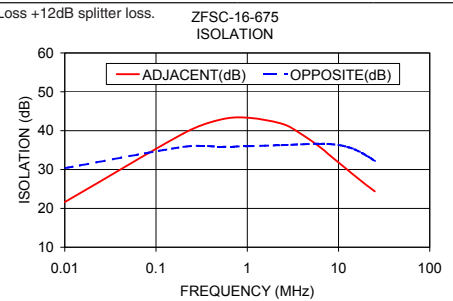
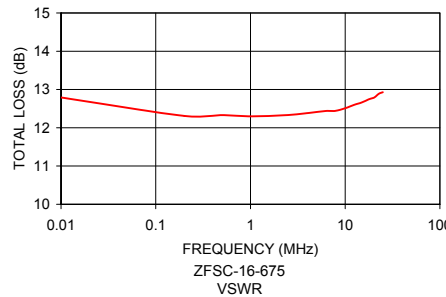
FREQ. RANGE (MHz)	ISOLATION (dB)						INSERTION LOSS (dB) ABOVE 12 dB						PHASE UNBALANCE (Degrees)			AMPLITUDE UNBALANCE (dB)		
	L		M		U		L		M		U		L	M	U	L	M	U
f_L - f_U	Typ.	Min.	Typ.	Min.	Typ.	Min.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Max.	Max.	Max.	Max.	Max.	Max.
0.01-25	25	20	40	25	25	20	0.8	1.1	0.4	0.8	1.0	1.6	4	3	5	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

Freq. (MHz)	Total Loss ¹ (dB)	Amplitude Unbalance (dB)	Isolation (dB)		VSWR S	VSWR OUTPUT
			Adjacent	Opposite		
0.01	12.79	0.07	21.62	30.34	1.62	1.75
0.20	12.31	0.01	39.28	35.84	1.29	1.10
0.50	12.33	0.01	42.79	35.88	1.29	1.09
1.00	12.30	0.00	43.35	35.99	1.30	1.08
2.40	12.33	0.01	41.78	36.27	1.30	1.08
3.90	12.38	0.01	39.15	36.49	1.31	1.08
6.30	12.44	0.00	35.74	36.66	1.35	1.09
7.80	12.44	0.00	33.90	36.57	1.35	1.10
10.00	12.51	0.01	31.84	36.32	1.37	1.11
12.50	12.60	0.00	29.95	35.81	1.41	1.14
14.90	12.66	0.02	28.49	35.22	1.43	1.16
18.00	12.75	0.01	26.93	34.29	1.47	1.19
20.30	12.79	0.02	25.96	33.58	1.48	1.20
22.70	12.89	0.02	25.13	32.88	1.50	1.22
25.00	12.93	0.03	24.38	32.18	1.51	1.24

ZFSC-16-675 1. Total Loss = Insertion Loss + 12dB splitter loss.



electrical schematic



Notes

- Performance and quality attributes and conditions not expressly stated in this specification document are intended to be excluded and do not form a part of this specification document.
- Electrical specifications and performance data contained in this specification document are based on Mini-Circuit's applicable established test performance criteria and measurement instructions.
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