

4 Way-0° 75Ω 5 to 1000 MHz

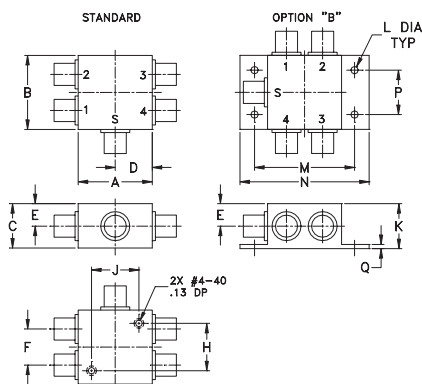
Maximum Ratings

Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
Power Input (as a splitter)	1W max.
Internal Dissipation	0.5W max.
Permanent damage may occur if any of these limits are exceeded.	

Coaxial Connections

SUM PORT	S
PORT 1	1
PORT 2	2
PORT 3	3
PORT 4	4

Outline Drawing



Outline Dimensions (inch/mm)

A	B	C	D	E	F	G	H
1.25	1.25	.75	.63	.38	.61	—	.80
31.75	31.75	19.05	16.00	9.65	15.49	—	20.32

J	K	L	M	N	P	Q	wt
.80	.76	.125	1.688	2.18	.75	.07	grams
20.32	19.30	3.18	42.88	55.37	19.05	1.78	85.0

Features

- wideband, 5 to 1000MHz
- high isolation, 36 dB typ.

Applications

- VHF/UHF
- cellular
- transmitters/receivers
- communication systems



CASE STYLE: G15

Connectors Model
BNC ZFSC-4-175W+
BRACKET(OPTION "B")

+RoHS Compliant

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

Electrical Specifications

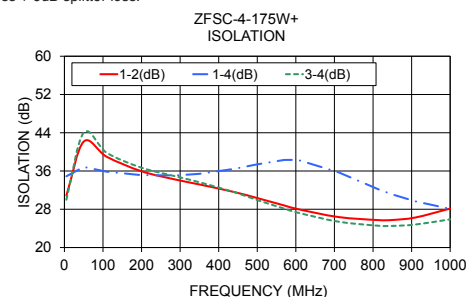
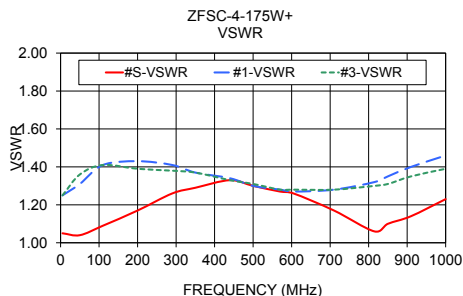
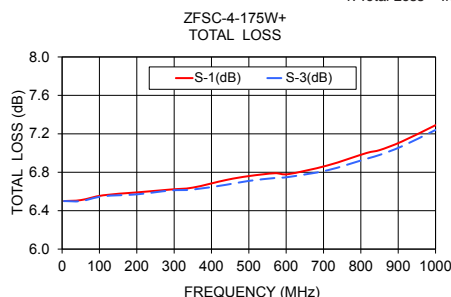
FREQ. RANGE (MHz)	ISOLATION (dB)						INSERTION LOSS (dB) ABOVE 6.0 dB						PHASE UNBALANCE (Degrees)			AMPLITUDE UNBALANCE (dB)		
	L		M		U		L		M		U		L		M		U	
	Typ.	Min.	Typ.	Min.	Typ.	Min.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Max.	Max.	Max.	Max.	Max.	Max.
5-1000	34	22	36	22	27	20	0.5	0.8	0.5	1.2	0.9	1.9	1	3	5	0.2	0.2	0.5

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)				Amp. Unbal. (dB)	Isolation (dB)			Phase Unbal. (deg.)	VSWR S	VSWR 1	VSWR 2	VSWR 3	VSWR 4
	S-1	S-2	S-3	S-4		1-2	1-4	3-4						
5.00	6.50	6.50	6.50	6.50	0.01	30.86	34.90	29.99	0.08	1.05	1.25	1.25	1.25	1.25
50.00	6.51	6.50	6.50	6.50	0.02	42.15	36.85	44.00	0.08	1.04	1.31	1.36	1.36	1.35
100.00	6.56	6.55	6.55	6.55	0.01	38.96	35.85	39.79	0.09	1.09	1.41	1.39	1.41	1.41
200.00	6.59	6.58	6.57	6.58	0.02	35.94	35.13	36.69	0.16	1.17	1.43	1.38	1.39	1.40
290.00	6.62	6.60	6.61	6.60	0.02	34.18	35.08	34.85	0.29	1.26	1.41	1.36	1.38	1.38
350.00	6.64	6.63	6.62	6.63	0.02	33.19	35.41	33.65	0.36	1.29	1.37	1.33	1.37	1.35
440.00	6.72	6.69	6.67	6.68	0.05	31.61	36.45	31.58	0.41	1.33	1.34	1.31	1.33	1.34
500.00	6.76	6.72	6.71	6.72	0.05	30.34	37.40	29.92	0.45	1.30	1.30	1.26	1.31	1.31
570.00	6.79	6.75	6.74	6.74	0.05	28.79	38.31	28.13	0.42	1.27	1.28	1.25	1.28	1.30
605.00	6.78	6.76	6.75	6.74	0.04	28.03	38.33	27.29	0.51	1.26	1.27	1.24	1.28	1.30
710.00	6.87	6.83	6.82	6.82	0.06	26.38	35.74	25.41	0.64	1.17	1.28	1.26	1.28	1.28
815.00	7.00	6.95	6.94	6.93	0.07	25.73	32.14	24.55	0.76	1.06	1.32	1.31	1.30	1.31
850.00	7.03	6.98	6.98	6.96	0.07	25.76	31.10	24.52	0.91	1.10	1.35	1.31	1.31	1.31
910.00	7.12	7.09	7.07	7.06	0.06	26.28	29.65	24.81	0.94	1.14	1.40	1.35	1.35	1.37
1000.00	7.29	7.25	7.24	7.21	0.08	28.14	28.09	25.90	1.10	1.23	1.46	1.36	1.39	1.40

1. Total Loss = Insertion Loss + 6dB splitter loss.



electrical schematic



Notes

- A. 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.
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