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Find the *Mini-Circuits GK-3* at our website: ***Click HERE***

Coaxial

Power Splitter/Combiner

ZSC-2-1+
ZSC-2-1

2 Way-0° 50Ω 0.1 to 400 MHz



CASE STYLE: M22

Connectors	Model	Price	Qty.
BNC	ZSC-2-1(+)	$47.95	(1-9)
BRACKET (OPTION "B")		$5.00	(1+)
BRACKET (OPTION "BR")		$1.50	(1+)

+ 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.

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	0.125W max.

Coaxial Connections

SUMPORT	2
PORT 1	1
PORT 2	3

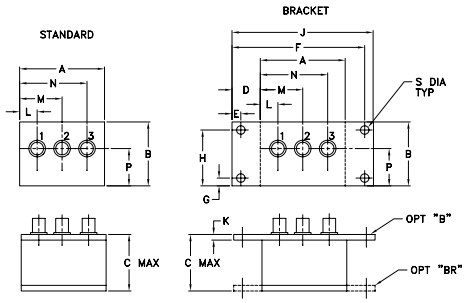
Features

- wideband, 0.1 to 400 MHz
- low insertion loss, 0.4 dB typ.
- good isolation, 25 dB typ.
- excellent amplitude unbalance, 0.1 dB typ.
- excellent phase unbalance, 0.2 deg. typ.
- rugged shielded case

Applications

- VHF/UHF
- communications systems
- instrumentation

Outline Drawing



Outline Dimensions (inch / mm)

A	B	C	D	E	F	G	H
2.25	1.38	1.24	.50	.150	3.100	.138	1.238
57.15	35.05	31.50	12.70	3.81	78.74	3.51	31.45

J	K	L	M	N	P	S	wt
3.25	.10	.40	1.15	1.86	.64	.150	grams
82.55	2.54	10.16	29.21	47.24	16.26	3.81	74.0

Splitter Electrical Specifications

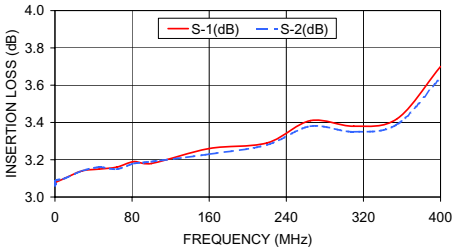
FREQ. RANGE (MHz)	ISOLATION (dB)						INSERTION LOSS (dB) ABOVE 3.0 dB						PHASE UNBALANCE (Degrees)			AMPLITUDE UNBALANCE (dB)		
	L		M		U		L		M		U		L	M	U	L	M	U
f_L-f_U	Typ.	Min	Typ.	Min	Typ.	Min	Typ.	Max.	Typ.	Max.	Typ.	Max.	Max.	Max.	Max.	Max.	Max.	Max.
0.1-400	20	15	25	20	25	20	0.2	0.5	0.4	0.75	0.6	1.0	2	3	4	0.15	0.2	0.3

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]

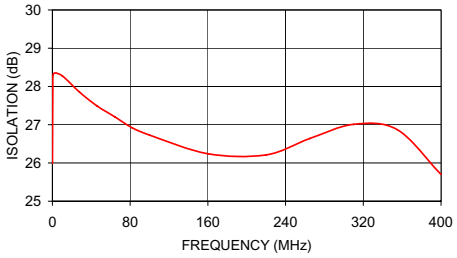
Typical Performance Data

Frequency (MHz)	Insertion Loss (dB)		Amplitude Unbalance (dB)	Isolation (dB)	Phase Unbalance (deg.)	VSWR S	VSWR 1	VSWR 2
	S-1	S-2						
0.10	3.07	3.06	0.00	25.99	0.01	1.09	1.19	1.19
0.40	3.08	3.07	0.01	27.93	0.03	1.05	1.12	1.12
1.00	3.08	3.09	0.01	28.33	0.10	1.04	1.11	1.11
10.00	3.10	3.10	0.01	28.28	0.04	1.03	1.10	1.10
28.00	3.14	3.14	0.00	27.85	0.03	1.02	1.09	1.09
46.00	3.15	3.16	0.01	27.49	0.05	1.02	1.09	1.09
64.00	3.16	3.15	0.01	27.21	0.09	1.02	1.10	1.10
82.00	3.19	3.18	0.01	26.92	0.02	1.01	1.10	1.10
100.00	3.18	3.19	0.01	26.73	0.04	1.01	1.10	1.10
160.00	3.26	3.23	0.02	26.24	0.20	1.03	1.12	1.12
220.00	3.29	3.28	0.02	26.21	0.17	1.06	1.15	1.16
265.00	3.41	3.38	0.03	26.64	0.20	1.09	1.18	1.19
310.00	3.38	3.35	0.03	27.01	0.27	1.13	1.22	1.23
355.00	3.42	3.39	0.03	26.87	0.16	1.19	1.26	1.28
400.00	3.70	3.64	0.06	25.70	0.13	1.26	1.30	1.32

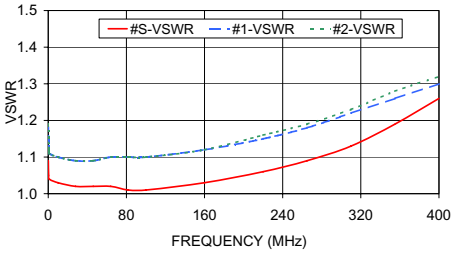
ZSC-2-1
INSERTION LOSS



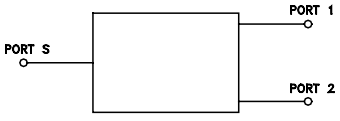
ZSC-2-1
ISOLATION



ZSC-2-1
VSWR



electrical schematic



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