

Plug-In

Power Splitter/Combiner

TSC-2-1+ TSC-2-1

2 Way-0° 50Ω 1 to 400 MHz



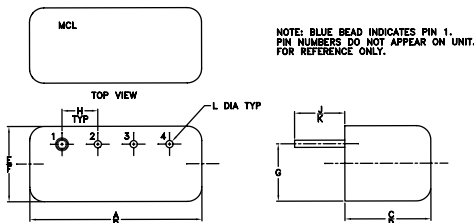
Maximum Ratings

Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
Power Input (as a splitter)	1W max.
Internal Dissipation	0.125W max.

Pin Connections

SUMPORT	1
PORT 1	2
PORT 2	4
GROUND	3
CASE GROUND	3

Outline Drawing



Outline Dimensions (inch/mm)

A	B	C	D	E	F	
.480	.500	.240	.255	.210	.230	
12.19	12.70	6.10	6.48	5.33	5.84	
G	H	J	K	L	wt	
.16	.100	.14	.20	.020	grams	
4.06	2.54	3.56	5.08	0.51	1.9	

Features

- wideband 1 to 400 MHz
- hermetic, metal case
- good isolation, 30 dB typ.

Applications

- VHF/UHF
- receivers/transmitters
- military, hi-rel applications

CASE STYLE: B02

PRICE: \$20.20 ea. QTY. (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.

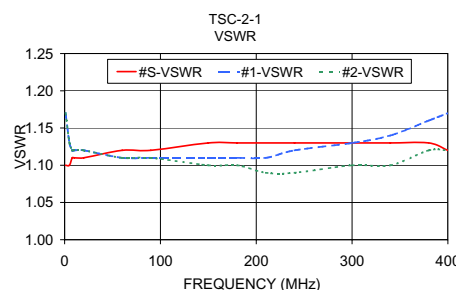
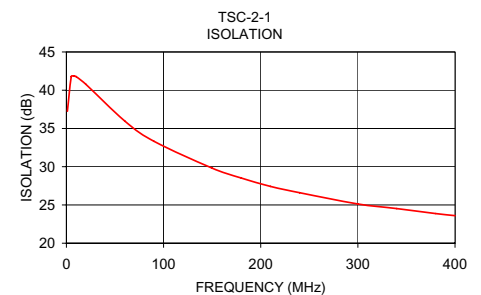
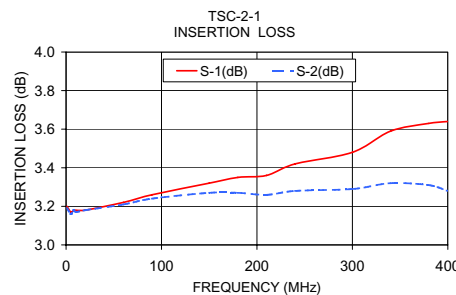
Splitter Electrical Specifications

FREQ. RANGE (MHz)	ISOLATION (dB)						INSERTION LOSS (dB) ABOVE 3.0 dB						PHASE UNBALANCE (Degrees)			AMPLITUDE UNBALANCE (dB)		
	L		M		U		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.
1-400	30	25	30	25	30	20	0.25	0.5	0.4	0.75	0.8	1.0	2.0	3.0	4.0	0.15	0.2	0.6

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						
1.00	3.20	3.19	0.01	37.25	0.03	1.10	1.17	1.17
5.00	3.17	3.16	0.01	41.78	0.05	1.10	1.13	1.13
8.00	3.18	3.18	0.00	41.83	0.02	1.11	1.12	1.12
10.00	3.18	3.17	0.01	41.78	0.06	1.11	1.12	1.12
20.00	3.18	3.18	0.00	40.78	0.09	1.11	1.12	1.12
60.00	3.22	3.21	0.01	35.98	0.37	1.12	1.11	1.11
90.00	3.26	3.24	0.02	33.33	0.53	1.12	1.11	1.11
150.00	3.32	3.27	0.05	29.81	0.84	1.13	1.11	1.10
180.00	3.35	3.27	0.08	28.52	1.01	1.13	1.11	1.10
210.00	3.36	3.26	0.10	27.42	1.16	1.13	1.11	1.09
240.00	3.42	3.28	0.14	26.60	1.26	1.13	1.12	1.09
300.00	3.48	3.29	0.20	25.13	1.45	1.13	1.13	1.10
340.00	3.59	3.32	0.27	24.53	1.59	1.13	1.14	1.10
380.00	3.63	3.31	0.31	23.88	1.63	1.13	1.16	1.12
400.00	3.64	3.28	0.36	23.60	1.53	1.12	1.17	1.12



electrical schematic

