

TCP-2-10+



PRICE: \$1.49 ea. QTY. (20)

+ RoHS compliant in accordance with EU Directive (2002/95/EC)

Reel Size	Devices/Reel
7"	20, 50, 100, 200, 500
13"	1000, 2000

- low insertion, 0.5 dB typ.
- excellent amplitude unbalance, 0.1 dB typ.
- very good phase unbalance, 1.0 deg. typ.
- external resistor & capacitor required
- aqueous washable
- leads for excellent solderability
- low cost

Applications

- ## 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.
f _c -f _u																		
5-1000	25	17	25	16	21	16	0.3	0.9	0.5	0.9	0.5	1.4	4.0	4.0	6.0	0.6	0.6	0.3

L = low range $[f_i \text{ to } 10 f_i]$ M = mid range $[10 f_i \text{ to } f_i/2]$ U = upper range $[f_i/2 \text{ to } f_{i+1}]$

Frequency (MHz)	Total Loss¹ (dB)		Amplitude Unbalance (dB)	Isolation (dB)	Phase Unbalance (deg.)	VSWR S	VSWR 1	VSWR 2
	S-1	S-2						
5.00	3.10	3.24	0.14	32.43	0.15	1.02	1.11	1.14
6.00	3.10	3.24	0.14	32.64	0.15	1.02	1.11	1.14
8.00	3.10	3.24	0.14	32.81	0.09	1.02	1.10	1.14
10.00	3.11	3.24	0.13	32.85	0.09	1.02	1.10	1.14
25.00	3.12	3.25	0.14	32.38	0.01	1.02	1.10	1.14
40.00	3.13	3.27	0.14	31.84	0.06	1.02	1.10	1.14
60.00	3.13	3.28	0.14	31.23	0.09	1.03	1.10	1.13
90.00	3.15	3.29	0.14	30.38	0.10	1.03	1.10	1.13
120.00	3.16	3.30	0.14	29.54	0.11	1.04	1.09	1.13
200.00	3.19	3.33	0.14	27.50	0.24	1.05	1.09	1.11
400.00	3.27	3.40	0.13	23.84	0.45	1.07	1.06	1.06
600.00	3.37	3.48	0.11	21.78	0.71	1.09	1.05	1.02
800.00	3.49	3.58	0.09	20.95	0.98	1.09	1.08	1.09
900.00	3.55	3.63	0.08	21.06	1.15	1.09	1.12	1.14
1000.00	3.63	3.70	0.07	21.68	1.29	1.08	1.16	1.20

1. Total Loss = Insertion Loss + 3dB splitter loss

Frequency (MHz)	S-1 (dB) [Solid Red Line]	S-2 (dB) [Dashed Blue Line]
0	3.10	3.25
200	3.18	3.32
400	3.28	3.40
600	3.38	3.48
800	3.48	3.58
1000	3.60	3.70

ISOLATION

FREQUENCY (MHz)	ISOLATION (dB)
0	33
200	28
400	24
600	22
800	21
1000	22

For detailed performance specs
& shopping online see web site

REV. G
M135395
TCP-2-10+
ED-8261/1
DY/TD/CP/AM
130418

P.O. Box 350166, Brooklyn, New York 11235-0003 (718) 934-4500 Fax (718) 332-4661 The Design Engineers Search Engine Provides ACTUAL Data Instantly at minicircuits.com

Notes: 1. Performance and quality attributes and conditions not expressly stated in this specification sheet are intended to be excluded and do not form a part of this specification sheet. 2. Electrical specifications and performance data contained herein are based on Mini-Circuits' test results established under standard test conditions and are not intended to represent minimum performance criteria. 3. The parts covered by this specification sheet are subject to Mini-Circuits' standard limited warranty and terms and conditions (collectively, "Standard Terms"). Purchasers of this part are entitled to the rights and benefits contained therein. For a full statement of the Standard Terms and the exclusive rights and remedies thereunder, please visit Mini-Circuits' website at www.minicircuits.com/MC/Store/terms.jsp.