



Typical Performance Data For TCP-2-10

Frequency (MHz)	Insertion Loss (dB)		Amplitude Unbalance (dB)	Isolation (dB)	Phase Unbalance (dB)	VSWR S	VSWR 1	VSWR 2
	S-1	S-2						
5.00	3.10	3.33	0.23	30.15	0.98	1.05	1.28	1.17
7.00	3.10	3.30	0.20	31.40	0.82	1.04	1.23	1.15
10.00	3.10	3.29	0.19	32.26	0.60	1.04	1.20	1.14
100.00	3.16	3.30	0.14	30.00	0.15	1.06	1.10	1.12
190.00	3.20	3.34	0.14	27.03	0.45	1.09	1.09	1.12
370.00	3.26	3.40	0.13	23.32	0.88	1.14	1.06	1.10
550.00	3.36	3.46	0.10	21.68	1.23	1.15	1.05	1.06
730.00	3.43	3.49	0.06	21.37	1.41	1.11	1.04	1.02
910.00	3.54	3.55	0.01	23.06	1.63	1.05	1.11	1.08
1000.00	3.66	3.65	0.01	25.28	1.74	1.07	1.17	1.14

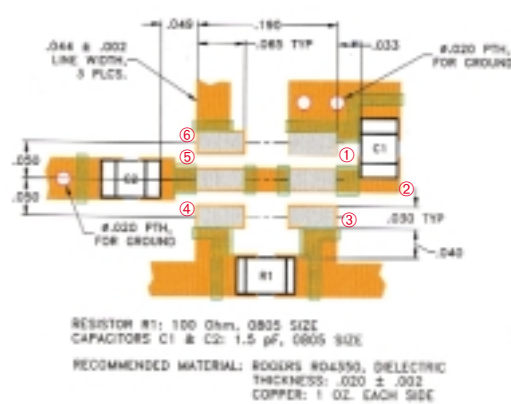
Typical Performance Data For TCP-2-10-75

Frequency (MHz)	Insertion Loss (dB)		Amplitude Unbalance (dB)	Isolation (dB)	Phase Unbalance (deg.)	VSWR S	VSWR 1	VSWR 2
	S-1	S-2						
5.00	3.13	3.50	0.37	24.98	0.43	1.04	1.17	1.38
10.00	3.12	3.38	0.26	27.65	0.22	1.02	1.15	1.26
100.00	3.16	3.38	0.22	28.67	0.07	1.04	1.14	1.20
300.00	3.25	3.38	0.14	27.92	0.24	1.14	1.20	1.18
500.00	3.32	3.27	0.04	29.42	0.56	1.20	1.20	1.16
700.00	3.41	3.27	0.14	29.83	0.68	1.22	1.30	1.19
800.00	3.46	3.32	0.15	27.04	0.70	1.22	1.31	1.22
900.00	3.54	3.40	0.14	24.10	0.66	1.21	1.30	1.23
950.00	3.63	3.46	0.16	22.90	0.63	1.21	1.32	1.23
1000.00	3.64	3.52	0.11	21.81	0.56	1.20	1.35	1.23

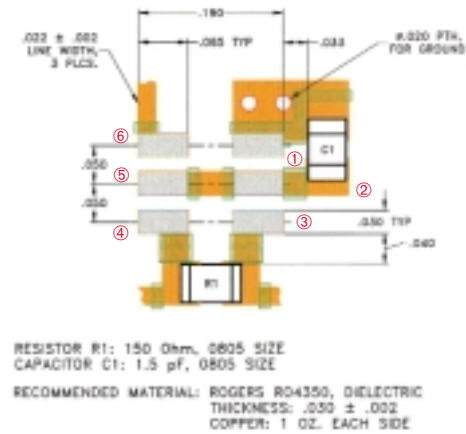
Typical Performance Data For TCP-2-25

Frequency (MHz)	Insertion Loss (dB)		Amplitude Unbalance (dB)	Isolation (dB)	Phase Unbalance (deg.)	VSWR S	VSWR 1	VSWR 2
	S-1	S-2						
200.00	3.56	3.54	0.01	16.61	0.32	1.96	1.54	1.53
346.67	3.59	3.56	0.03	17.48	0.54	1.94	1.55	1.54
640.00	3.70	3.61	0.08	18.59	0.87	1.90	1.62	1.68
1080.00	3.73	3.54	0.19	20.91	1.22	1.85	1.68	1.60
1373.33	3.78	3.52	0.26	22.17	1.46	1.77	1.73	1.62
1520.00	3.74	3.45	0.29	22.38	1.52	1.73	1.73	1.63
1813.33	3.75	3.39	0.35	21.59	1.72	1.57	1.77	1.63
2106.67	3.78	3.39	0.39	19.71	1.96	1.44	1.81	1.67
2400.00	3.78	3.38	0.40	17.51	2.42	1.23	1.90	1.75
2523.08	3.83	3.44	0.39	16.64	2.60	1.19	1.88	1.74

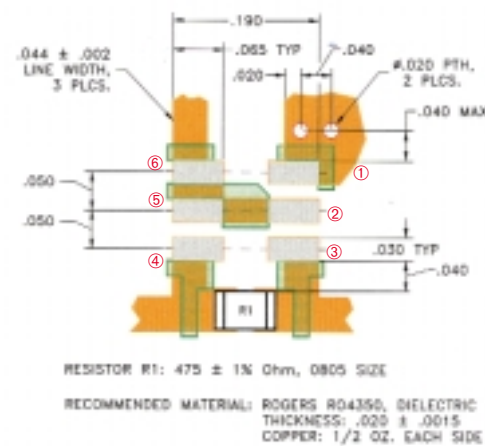
SUGGESTED PCB LAYOUT FOR TCP-2-10



SUGGESTED PCB LAYOUT FOR TCP-2-10-75



SUGGESTED PCB LAYOUT FOR TCP-2-25

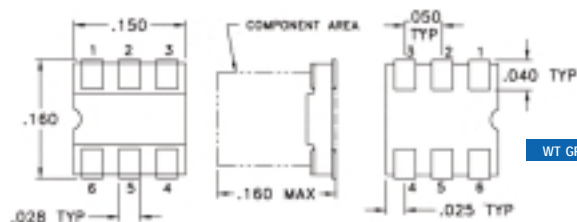


PIN CONFIGURATIONS	TCP-2-10	TCP-2-10-75	TCP-2-25
SUM PORT	6	6	6,5,2
PORT 1	3	3	3
PORT 2	4	4	4
GROUND	1	1	1
SHORT	2,5	2,5	-
RESISTOR:	100Ω 3,4	150Ω 3,4	475Ω 3,4
CAPACITOR 1.5pF	2 To GND / 5 To GND	5 To GND	-

Operating Temperature: -20°C to 85°C, Storage Temperature: -55°C to 100°C

CASE STYLE DRAWINGS & DIMENSIONS (INCH)

CASE STYLE DB714



- DENOTES METALLIZATION
- DENOTES SOLDER MASK
- DENOTES METALLIZATION FOR DEVICE SOLDERING

Fig. 6

POWER SPLITTERS

