

toner

TGT Series

2, 4, 8 & 12 Port 1 GHz Taps



Features:

- 5 to 1000 MHz Bandwidth
- RFI greater than -100 dB
- 75Ω Impedance
- Port to Port Isolation 23 dB minimum
- Return Loss 20 dB typical, 18 dB minimum



These multiport, indoor/outdoor directional coupled taps are the most recent state of the art design, and feature our patented circuit design and surface mount technology. These taps feature our unique dual tongue and groove cover installation to maintain better than -100 dB RFI integrity which minimizes or eliminates RF ingress or leakage. The housings are then further epoxy sealed to prevent any moisture absorption. The housings are zinc diecast with Tin Nickel plating for superior corrosion protection.

Available in 2, 4, and 8 port configurations with standard 3 dB tap value spacing for optimum system design. The 2 and 4 port models both use a small 1 3/4" x 1 3/4" housing and the 8 port model uses a 1 3/4" x 3 7/8" housing. These small sizes allow the taps to be installed in the tightest of locations. Each housing incorporates integral mounting slots and ground blocks for convenience. The taps have "F" ports for input and output, as well as for the tap ports. Tap ports are on 7/8" centers to allow for trap and filter installation.

Specifications

Return Loss		5-15 MHz	15-40 MHz	40-550 MHz	550-1000 MHz
	Input	≥23 dB	≥25 dB	≥20 dB	≥20 dB
	Output	≥25 dB	≥25 dB	≥22 dB	≥20 dB
	Tap	≥25 dB	≥28 dB	≥20 dB	≥20 dB
Isolation					
	Port to Port	≥32 dB	≥35 dB	≥27 dB	≥27 dB
	Tap to Output	≥40 dB	≥40 dB	≥27 dB	≥26 dB
Model	Tap Value	Maximum Insertion Loss (dB) at frequency			
	-1.0 dB	5-15 MHz	15-40 MHz	40-550 MHz	550-1000 MHz
2 PORT					
		Terminating Tap			
TGT2-4T	4.0 dB				
TGT2-8	8.5 dB	3.6	3.6	3.6	4.2
TGT2-11	11.0 dB	2.5	2.5	2.6	3.0
TGT2-14	14.5 dB	1.4	1.4	1.4	2.4
TGT2-17	17.0 dB	1.0	1.0	1.0	1.6
TGT2-20	20.0 dB	0.8	0.8	0.8	1.4
TGT2-23	23.0 dB	0.8	0.8	0.8	1.3
TGT2-26	26.0 dB	0.8	0.8	0.8	1.3
TGT2-29	29.0 dB	0.8	0.8	0.8	1.3
TGT2-32	32.0 dB	0.8	0.8	0.8	1.3
4 PORT					
		Terminating Tap			
TGT4-8T	8.5 dB				
TGT4-11	11.0 dB	3.6	3.6	3.8	4.4
TGT4-14	14.5 dB	2.5	2.3	2.6	3.0
TGT4-17	17.0 dB	1.4	1.4	1.4	2.4
TGT4-20	20.0 dB	1.0	1.0	1.0	1.6
TGT4-23	23.0 dB	0.8	0.8	0.8	1.4
TGT4-26	26.0 dB	0.8	0.8	0.8	1.3
TGT4-29	29.0 dB	0.8	0.8	0.8	1.3
TGT4-32	32.0 dB	0.8	0.8	0.8	1.3
8 PORT					
		Terminating Tap			
TGT8-11T	11.0 dB				
TGT8-14	14.5 dB	3.6	3.6	3.8	4.4
TGT8-17	17.0 dB	2.5	2.3	2.6	3.0
TGT8-20	20.0 dB	1.4	1.4	1.4	2.4
TGT8-23	23.0 dB	1.0	1.0	1.0	1.6
TGT8-26	26.0 dB	0.8	0.8	0.8	1.4
TGT8-29	29.0 dB	0.8	0.8	0.8	1.3
TGT8-32	32.0 dB	0.8	0.8	0.8	1.3
12 PORT (- 2 dB)					
TGT12-17	17.5 dB	2.6	2.6	3.0	3.5
TGT12-20	20.0 dB	2.0	2.0	2.3	2.5
TGT12-23	22.5 dB	1.4	1.4	1.7	2.3
TGT12-26	26.0 dB	1.0	1.0	1.3	1.6
TGT12-29	29.0 dB	0.7	0.7	0.9	1.5