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## The Tap Assembly to Suit Your Needs

The Total Tap is the only fully modular, custom configurable tap designed to serve from 2 to 48 subscribers.

By using the Total Tap, *You* have the ability to configure the tap plates and values the way *You* need to, to service your customers based on *Your* system design. No other tap in the industry gives *You* this flexibility.



## the TOTAL TAP

### Total Tap Features

- Modular Assembly
- RF Bypass Circuitry
- Six Different Tap Locations
- Input From Both Ends
- Wide Spaced F Ports
- 2 to 48 Tap Ports
- Compact Design
- 2, 4, or 8 Port Tap Plates
- Equalization
- Ease of Installation
- -100dB RF Shielding
- Baked Acrylic Finish
- Stainless Steel Hardware
- 1 GHz Bandwidth
- Power Passing Housing
- US Patent # 6292371

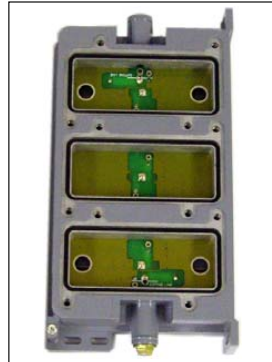
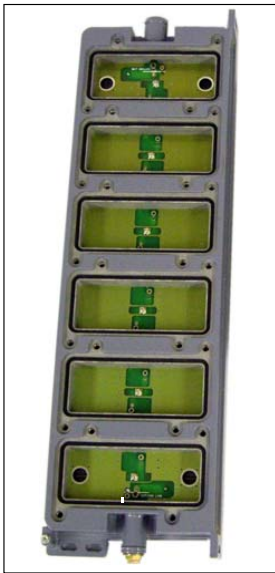
**The Total Tap** is a completely new concept for the distribution of signal from one central location to up to 48 different locations (subscribers).

The Total Tap features a precision die cast aluminum housing that has six tap cavities for the installation of six plug in tap plates to provide service for 2 to 48 locations (subscribers).

Each tap cavity can accept one of several types of 2, 4 or 8 port tap plates or blank plates. With this combination of options available in each of the six tap cavities, an almost unlimited range of configurations is available.

The Total Tap housing has a 5/8" entry fitting at each end so the tap can be used in several different configurations. The housing can be fed from one end and use a terminating plate in the last position. The housing can be fed from one end with the other end being an output. Or, the housing can be fed from both ends using terminating plates back to back.

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	TXMT-6H HOUSING	TXMT-3H HOUSING
Size	19 1/2" X 5 3/4" X 1 7/16"	11" X 5 3/4" X 1 7/16"
	49.6 cm X 14.6 cm X 3.7 cm	27.8 cm X 14.6 cm X 3.7 cm
Weight	4.2 pounds, 1.9 KG	2.5 pounds, 1.1 KG
RFI	>100 dB	
Bandwidth	5 - 1000 MHz	
	Power Passing 60/90V, 4 amp	

NOTE: Terminating plates are painted white.



MODEL	TXMT108-26	TXMT108-23	TXMT108-20	TXMT108-17	TXMT108-14	TXMT108-11T	TXMT-B				
TAP VALUE	26 dB	23 dB	20 dB	17 dB	14 dB	11.5 dB	Blank Plate				
BANDWIDTH	— — — 5-1000 MHz — — —										
COLOR CODE	Blue	Orange	Black	Purple	Yellow	Brown					
TOLERANCE	± 1.5 dB	± 1.5 dB	± 1.5 dB	± 1.5 dB	± 1.5 dB	± 1.5 dB					
INSERTION LOSS	TYP	MAX	TYP	MAX	TYP	MAX	TYP	MAX	TYP	MAX	
10 - 30 MHz	0.7	0.9	0.7	1.0	1.0	1.2	2.2	2.5	3.0	3.7	Terminating
30 - 150 MHz	0.7	0.9	0.7	0.9	0.9	1.2	2.3	2.6	3.1	3.9	Terminating
150 - 300 MHz	0.7	0.9	0.7	1.0	1.0	1.4	2.3	2.6	3.3	4.0	Terminating
300 - 450 MHz	0.7	0.9	0.7	1.0	1.1	1.4	2.4	2.7	3.4	4.1	Terminating
450 - 600 MHz	0.8	1.0	0.8	1.1	1.1	1.5	2.5	2.8	3.6	4.2	Terminating
600 - 750 MHz	0.9	1.2	0.9	1.3	1.2	1.8	2.6	2.9	3.7	4.3	Terminating
750 - 860 MHz	0.9	1.3	1.0	1.6	1.3	1.8	2.6	2.9	3.8	4.4	
860 - 1000 MHz	0.9	1.4	1.1	1.8	1.4	2.3	2.6	3.1	4.0	5.3	Terminating
RETURN LOSS (min)											
TAP											
10 - 30 MHz	25	25	25	25	25	25	25	25	25	25	
30 - 600 MHz	20	20	20	20	20	20	20	20	20	20	
600 - 1000 MHz	20	20	20	20	20	20	20	20	20	20	
INPUT/OUTPUT											
10 - 30 MHz	18	18	18	18	18	18	18	18	18	18	
30 - 600 MHz	20	20	20	20	20	20	20	20	20	20	
600 - 1000 MHz	18	18	18	18	18	18	18	18	18	18	
TAP TO TAP ISOLATION											
10 - 30 MHz	30	30	30	30	30	30	30	30	30	30	
30 - 600 MHz	27	27	27	27	27	27	27	27	27	27	
600 - 1000 MHz	27	27	27	27	27	27	27	27	27	27	

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## 4 Port Tap Plate Specifications

MODEL	TXMT104-26	TXMT104-23	TXMT104-20	TXMT104-17	TXMT104-14	TXMT104-11	TXMT104-8T						
TAP VALUE	26 dB	23 dB	20 dB	17 dB	14 dB	11.5 dB	8 dB						
BANDWIDTH	--- 5-1000 MHz ---												
COLOR CODE	Blue	Orange	Black	Purple	Yellow	Brown	Green						
TOLERANCE	± 1.5 dB	± 1.5 dB	± 1.5 dB	± 1.5 dB	± 1.5 dB	± 1.5 dB	± 1.2 dB						
INSERTION LOSS	TYP	MAX	TYP	MAX	TYP	MAX	TYP	MAX	TYP	MAX	TYP	MAX	TERMINATING
- 30 MHz	0.5	0.8	0.7	1.0	1.3	1.6	1.4	1.7	2.1	2.5	3.3	3.6	Terminating
30 - 150 MHz	0.4	0.7	0.6	1.0	1.2	1.6	1.2	1.5	2.3	2.6	3.2	3.6	Terminating
150 - 300 MHz	0.5	0.8	0.7	1.0	1.3	1.6	1.3	1.6	2.3	2.6	3.3	3.6	Terminating
300 - 450 MHz	0.5	0.9	0.8	1.1	1.4	1.8	1.4	1.8	2.4	2.7	3.4	3.8	Terminating
450 - 600 MHz	0.6	1.0	0.9	1.3	1.5	1.9	1.6	1.9	2.5	2.8	3.6	3.9	Terminating
600 - 750 MHz	0.7	1.1	1.0	1.3	1.6	2.0	1.7	2.0	2.6	2.9	3.5	3.9	Terminating
750 - 860 MHz	0.9	1.3	1.2	1.6	1.7	2.2	1.8	2.2	2.8	3.1	3.6	4.0	Terminating
860 - 1000 MHz	1.2	1.6	1.7	2.1	2.0	2.5	2.1	2.6	3.2	3.6	3.7	4.2	Terminating
RETURN LOSS (min)													
TAP PORTS													
10 - 30 MHz	25	25	25	25	25	25	25	25	25	25	25	25	25
30 - 600 MHz	20	20	20	20	20	20	20	20	20	20	20	20	20
600 - 1000 MHz	20	20	20	20	20	20	20	20	20	20	20	20	20
INPUT/OUTPUT													
10 - 30 MHz	18	18	18	18	18	18	18	18	18	18	18	18	18
30 - 600 MHz	20	20	20	20	20	20	20	20	20	20	20	20	20
600 - 1000 MHz	18	18	18	18	18	18	18	18	18	18	18	18	18
TAP TO TAP ISOLATION													
10 - 30 MHz	27	27	27	27	27	27	27	27	27	27	27	27	27
30 - 600 MHz	27	27	27	27	27	27	27	27	27	27	27	27	27
600 - 1000 MHz	27	27	27	27	27	27	27	27	27	27	27	27	27

NOTE: add a T to the tap plate model to order a Terminating version of the tap plate.

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## 2 Port Tap Plate Specifications

MODEL	TXMT102-26	TXMT102-23	TXMT102-20	TXMT102-17	TXMT102-14	TXMT102-11	TXMT102-8	TXMT102-4T							
TAP VALUE	26 dB	23 dB	20 dB	17 dB	14 dB	11.5 dB	8 dB	4 dB							
BANDWIDTH	--- 5-1000 MHz ---														
COLOR CODE	Blue	Orange	Black	Purple	Yellow	Brown	Green	Red							
TOLERANCE	± 1.2 dB	± 1.2 dB	± 1.2 dB	± 1.2 dB	± 1.2 dB	± 1.2 dB	± 1.2 dB	± 1.0 dB							
INSERTION LOSS	TYP	MAX	TYP	MAX	TYP	MAX	TYP	MAX	TYP	MAX	TYP	MAX	TYP	MAX	TERMINATING
10 - 30 MHz	0.3	0.6	0.5	0.8	1.2	1.5	1.4	1.7	2.1	2.4	2.2	2.5	3.4	3.7	Terminating
30 - 150 MHz	0.4	0.7	0.6	0.9	1.1	1.4	1.3	1.6	2.0	2.3	2.3	2.6	3.3	3.7	Terminating
150 - 300 MHz	0.5	0.8	0.7	1.0	1.2	1.5	1.4	1.7	2.1	2.5	2.4	2.7	3.4	3.8	Terminating
300 - 450 MHz	0.5	0.8	0.7	1.0	1.3	1.7	1.6	1.9	2.2	2.5	2.5	2.8	3.4	3.8	Terminating
450 - 600 MHz	0.6	0.9	0.8	1.1	1.4	1.7	1.6	1.9	2.4	2.6	2.6	2.9	3.6	3.9	Terminating
600 - 750 MHz	0.7	1.0	1.0	1.3	1.5	1.8	1.7	2.0	2.4	2.7	2.8	3.1	3.7	4.1	Terminating
750 - 860 MHz	0.9	1.2	1.1	1.4	1.5	1.9	1.7	2.0	2.5	2.8	2.9	3.2	4.0	4.4	Terminating
860 - 1000 MHz	1.2	1.5	1.7	2.0	1.9	2.2	2.2	2.5	3.0	3.3	3.6	3.9	4.8	5.3	Terminating
<b>RETURN LOSS (min)</b>															
<b>TAP PORTS</b>															
10 - 30 MHz	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
30 - 600 MHz	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
600 - 1000 MHz	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
<b>INPUT/OUTPUT</b>															
10 - 30 MHz	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
30 - 600 MHz	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
600 - 1000 MHz	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
<b>TAP TO TAP ISOLATION</b>															
10 - 30 MHz	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
30 - 600 MHz	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
600 - 1000 MHz	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27

NOTE: add a T to the tap plate model to order a Terminating version of the tap plate.