

Outdoor Passives

DMT & TLS Series



DMT-1000-2



DMT-1000-8



DMT-1000-4



TLS Series

○ Features & Benefits

- 1 GHz Passive
- DMT-2,4 and 8 Port Models have Plated Brass F Connectors
- 120 dB RFI Shielding
- Diecast Housing

○ Specifications

DMT-1000-2

Tap Value

Insertion Loss (dB)

	4	8	11	14	17	20	23	26	29	32	35
@5-10 MHz:	* 3.6	1.8	1.3	1.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8
@10-450 MHz:	* 3.8	1.8	1.5	1.4	1.0	1.0	1.0	0.8	0.8	0.8	0.8
@450-550 MHz:	* 4.2	2.2	1.7	1.5	1.2	1.2	1.2	1.2	1.2	1.2	1.2
@550-750 MHz:	* 4.5	2.8	1.8	1.8	1.4	1.4	1.4	1.4	1.4	1.4	1.4
@750-1000 MHz:	* 4.8	3.8	2.4	2.2	1.7	1.7	1.5	1.5	1.5	1.5	1.5

Out to Tap Isolation (dB)

	4	8	11	14	17	20	23	26	29	32	35
@5-10 MHz:	- 21	21	22	25	26	29	32	32	32	32	33
@10-450 MHz:	- 26	26	26	31	33	35	36	40	42	46	46
@450-550 MHz:	- 23	25	25	30	33	35	38	40	42	45	45
@550-750 MHz:	- 22	23	25	28	30	32	36	37	40	42	42
@750-1000 MHz:	- 22	23	25	28	30	32	36	37	40	42	42

DMT-1000-8

Tap Value

Insertion Loss (dB)

	11	14	17	20	23	26	29	32	35
@5-10 MHz:	* 3.6	1.8	1.4	1.0	1.0	1.0	1.0	1.0	1.0
@10-450 MHz:	* 4.2	2.2	1.6	1.1	1.1	1.1	1.1	1.1	1.1
@450-550 MHz:	* 4.5	2.5	2.0	1.5	1.2	1.2	1.2	1.2	1.2
@550-750 MHz:	* 4.6	3.0	2.2	1.8	1.3	1.3	1.3	1.3	1.3
@750-1000 MHz:	* 4.9	3.2	2.6	2.2	1.5	1.5	1.5	1.5	1.5

Out to Tap Isolation (dB)

	11	14	17	20	23	26	29	32	35
@5-10 MHz:	- 23	24	27	28	30	32	34	36	36
@10-450 MHz:	- 24	25	28	30	32	34	35	38	38
@450-550 MHz:	- 27	27	30	34	38	40	42	42	42
@550-750 MHz:	- 25	27	30	33	33	35	38	40	40
@750-1000 MHz:	- 25	27	30	33	33	35	38	40	40

○ Ordering Information (Specify Tap Value)

Model	Stock No.	Description
DMT-1000-2	3852	Outdoor Directional Tap, 2 Output 5-1000 MHz, Values: 4, 8, 11, 14, 17, 20, 23, 26, 29, 32, 35 dB
DMT-1000-4	3854	Outdoor Directional Tap, 4 Output 5-1000 MHz, Values: 8, 11, 14, 17, 20, 23, 26, 29, 32, 35 dB
DMT-1000-8	3858	Outdoor Directional Tap, 8 Output 5-1000 MHz, Values: 11, 14, 17, 20, 23, 26, 29, 32, 35 dB

DMT-1000-4

Tap Value

Insertion Loss (dB)

	8	11	14	17	20	23	26	29	32	35
@5-10 MHz:	* 3.2	1.8	1.3	1.0	0.8	0.8	0.8	0.8	0.8	0.8
@10-450 MHz:	* 3.5	1.8	1.4	1.2	0.8	0.8	0.8	0.8	0.8	0.8
@450-550 MHz:	* 4.0	2.3	1.6	1.4	1.2	1.0	1.0	1.0	1.0	1.0
@550-750 MHz:	* 4.4	3.0	1.8	1.6	1.4	1.2	1.2	1.2	1.2	1.2
@750-1000 MHz:	* 4.8	3.7	2.2	2.0	1.8	1.5	1.5	1.5	1.5	1.5

Out to Tap Isolation (dB)

	8	11	14	17	20	23	26	29	32	35
@5-10 MHz:	- 22	22	25	30	30	30	32	32	32	33
@10-450 MHz:	- 26	27	30	36	36	38	40	42	44	44
@450-550 MHz:	- 24	28	30	35	35	35	40	42	42	42
@550-750 MHz:	- 23	24	27	32	32	34	35	38	40	40
@750-1000 MHz:	- 23	24	27	32	32	34	35	38	40	40

○ Common Specifications for DMT

Tap Loss Tolerance (dB)		Impedance - All Ports:	75 Ohm
@5 - 10 MHz:	±1.5	Return Loss (dB)	
@10 - 550 MHz:	±1.0	@5 - 10 MHz:	16
@550 - 1000 MHz:	±1.5	@10 - 400 MHz:	26
Tap to Tap Isolation (dB)		@400 - 550 MHz:	18
@5 - 10 MHz:	24	@550 - 870 MHz:	16
@10 - 550 MHz:	27	@870 - 1000 MHz:	17
@550 - 600 MHz:	24	Power Passing (AC/DC)	
@600 - 1000 MHz:	23	DMT	6A

* Terminated

Distribution

Outdoor Passives

DMT & TLS Series

Blonder Tongue has a complete line of quality outdoor multitaps with frequency coverage to 1000 MHz. The DMT Series are available in two, four and eight port models that are capable of both stand and pedestal mounting. These multitaps are constructed with the circuitry on a removable bottom plate for ease in changing tap values. Separate gaskets are used to provide weatherproofing and RFI integrity. All DMT's feature plated brass "F" connectors on the tap ports, and 5/8 - 24 entry fittings on input and output ports. DMT housings are made with 360 aluminum alloy with a polyurethane coating to ensure maximum corrosion resistance. The TLS Series of trunk line splitters are available in 2 and 3 way versions as well as single port directional coupler models with values of 8, 12 and 16 dB. A power inserter model rounds out the series. All TLS Series housings have 5/8-24 entry fittings on all ports and are made with the same corrosion resistant materials as the DMT Series.

○ Features & Benefits

- 1 GHz Bandwidth
- DMT-2,4 and 8 Port Models have Plated Brass F Connectors
- RFI Shielding and Weather-Sealing Gaskets
- 360 Aluminum Alloy Housing and Stainless Steel Hardware For Corrosion Resistance
- TLS Series have 5/8" Entry fittings and are available in 2 and 3 Way Splitters and 8,12 and 16 dB Directional Coupler

○ Specifications (Specify Tap Value)

	TL-PI-1000	TLS-1000	TLS-1000	TLS-1000	TLS - 1000-2	TLS - 1000-3
		8dB	12dB	16dB		
Tap Loss (dB)						
@5 - 300 MHz:	-	±1.0	±1.0	±1.0	-	-
@300 - 500 MHz:	-	±1.0	±1.0	±1.0	-	-
@500 - 1000 MHz:	-	±1.5	±1.5	±1.5	-	-
Insertion Loss (dB)						
@5 - 300 MHz:	1.0	2.4	1.0	1.0	4.2	7.0
@300 - 500 MHz:	1.2	3.0	1.2	1.2	4.6	8.5
@500 - 1000 MHz:	1.4	3.2	2.2	2.2	5.2	9.0
Isolation Loss (dB)						
@5 - 300 MHz:	-	22	25	27	25	20
@300 - 500 MHz:	-	25	28	25	25	19
@500 - 1000 MHz:	-	22	20	22	20	18
Return Loss (dB)						
@5 - 300 MHz:	19	19	19	19	18	18
@300 - 500 MHz:	19	19	18	19	18	17
@500 - 1000 MHz:	17	17	17	17	17	17
Power Passing (AC/DC)	10A	10A	10A	10A	10A	10A

○ Ordering Information

Model	Stock No.	Description
TL-PI-1000	3850	Outdoor Power Inserter TLS Series, 5-1000 MHz
TLS-1000	3851	Outdoor Directional Coupler, 1 Output TLS Series, 5-1000 MHz, Values: 8, 12, 16 dB
TLS-1000-2	3855	Outdoor Splitter, 2 Way TLS Series, 5-1000 MHz
TLS-1000-3	3856	Outdoor Splitter, 3 Way TLS Series, 5-1000 MHz