

Indoor 5-1000 MHz Taps

DGT Series



DGT



DGT-2



DGT-4



DGT-8

Features & Benefits

- 1, 2, 4 and 8 Port Models with 5-1000 MHz Bandwidth
- -60 dBmV Spurious Signals and 2nd Order Harmonics with a +55 dBmV Return Input Carrier
- Category A3 Standard 6 KV, 100 kHz Ring Wave Surge Withstand Capability on All Ports
- -120 dB RFI, Solder Back Design
- Machine Threaded Flat F Ports
- Compliant with SCTE Splitter Guidelines
- Zinc Alloy Die-Cast Housing

Specifications

DGT (1Port)(dB)	6	8	10	12	14	16	18	20	24	30
Insertion Loss										
5-15 MHz:	1.8 ± 0.3	1.6 ± 0.3	1.3 ± 0.3	1.0 ± 0.3	1.0 ± 0.3	1.0 ± 0.3	1.0 ± 0.3	1.0 ± 0.3	1.0 ± 0.3	1.0 ± 0.3
15-42 MHz:	1.9 ± 0.3	1.5 ± 0.3	1.4 ± 0.3	1.1 ± 0.3	1.0 ± 0.3	0.9 ± 0.3	0.9 ± 0.3	0.9 ± 0.3	0.9 ± 0.3	0.9 ± 0.3
43-550 MHz:	2.3 ± 0.3	1.85 ± 0.3	1.6 ± 0.3	1.2 ± 0.3	1.2 ± 0.3	1.1 ± 0.3	1.1 ± 0.3	1.1 ± 0.3	1.1 ± 0.3	1.1 ± 0.3
551-1000 MHz:	2.7 ± 0.3	2.5 ± 0.5	1.8 ± 0.5	1.2 ± 0.3	1.4 ± 0.3	1.3 ± 0.3	1.3 ± 0.3	1.3 ± 0.3	1.3 ± 0.3	1.3 ± 0.3
Return Loss In/Out (dB min)										
5-15 MHz:	16	18	18	18	18	18	18	18	18	18
15-42 MHz:	18	18	20	20	20	20	20	20	20	20
43-550 MHz:	18	20	20	20	18	18	18	18	18	18
551-1000 MHz:	18	18	18	18	18	18	18	18	18	18
Return Loss Tap (dB min)										
5-15 MHz:	18	18	18	18	18	18	18	18	18	18
15-42 MHz:	20	20	20	20	20	20	20	20	20	20
43-550 MHz:	20	20	20	20	18	20	20	20	20	20
551-1000 MHz:	18	18	18	18	18	18	18	18	18	18
Isolation Tap-Out (dB min)										
5-15 MHz:	23	23	24	28	30	31	35	35	39	40
15-42 MHz:	23	23	25	25	25	30	31	32	36	36
43-550 MHz:	20	20	22	22	22	26	26	28	30	34
551-1000 MHz:	20	20	20	20	20	21	23	25	28	32
Tap Loss (dB)										
5-1000 MHz:	6.5 ± 1.5	8 ± 1.5	10 ± 1.5	12 ± 1.5	14 ± 1.5	16 ± 1.5	18 ± 1.5	20 ± 1.5	24 ± 1.5	30 ± 1.5

DGT Series

○ Specifications

DGT-2 (2 Port)(dB)	8	10	12	14	16	18	20	24
Insertion Loss								
5-15 MHz:	3.5 ± 0.3	2.0 ± 0.3	1.9 ± 0.3	1.5 ± 0.3	0.8 ± 0.3	0.7 ± 0.3	0.7 ± 0.3	0.7 ± 0.3
15-42 MHz:	3.4 ± 0.3	1.9 ± 0.3	1.5 ± 0.3	1.3 ± 0.3	0.7 ± 0.3	0.6 ± 0.3	0.6 ± 0.3	0.6 ± 0.3
43-550 MHz:	3.6 ± 0.3	2.0 ± 0.3	1.9 ± 0.5	1.4 ± 0.3	1.1 ± 0.3	0.8 ± 0.3	0.8 ± 0.3	0.8 ± 0.3
551-1000 MHz:	4.2 ± 0.3	2.5 ± 0.3	2.2 ± 0.5	1.7 ± 0.3	1.3 ± 0.3	1.0 ± 0.3	1.0 ± 0.3	1.0 ± 0.3
Return Loss In/Out (dB min)								
5-15 MHz:	18	18	18	18	18	18	18	18
15-42 MHz:	18	18	18	18	19	20	20	20
43-550 MHz:	18	20	20	20	20	20	20	20
551-1000 MHz:	18	18	18	18	18	18	18	18
Return Loss Tap (dB min)								
5-15 MHz:	18	18	18	18	18	18	18	18
15-42 MHz:	18	18	18	18	19	20	20	20
43-550 MHz:	18	20	20	20	20	20	20	20
551-1000 MHz:	18	18	18	18	18	18	18	18
Isolation Tap-Out (dB min)								
5-15 MHz:	28	28	30	30	30	30	32	34
15-42 MHz:	28	28	30	30	30	30	32	34
43-550 MHz:	26	26	26	26	28	28	28	33
551-1000 MHz:	22	22	22	22	23	23	25	29
Isolation Tap-Tap (dB min)								
5-15 MHz:	20	20	20	20	20	20	20	20
15-42 MHz:	22	22	22	24	22	22	22	22
43-550 MHz:	22	22	22	22	22	22	22	22
551-1000 MHz:	20	20	20	20	20	20	20	20
Tap Loss (dB)								
5-1000 MHz:	8.0 ± 1.5	10 ± 1.5	12 ± 1.5	14 ± 1.5	16 ± 1.5	18 ± 1.5	20 ± 1.5	24 ± 1.5

DGT-4 (4 Port)(dB)	10	12	14	16	17	18	20	24
Insertion Loss								
5-15 MHz:	3.5 ± 0.3	3.5 ± 0.3	2.0 ± 0.3	1.3 ± 0.3	1.3 ± 0.3	1.0 ± 0.3	0.8 ± 0.3	0.7 ± 0.3
15-42 MHz:	3.7 ± 0.3	3.7 ± 0.3	1.9 ± 0.3	1.2 ± 0.3	1.2 ± 0.3	1.0 ± 0.3	0.6 ± 0.3	0.6 ± 0.3
43-550 MHz:	3.9 ± 0.3	3.9 ± 0.3	2.0 ± 0.5	1.5 ± 0.3	1.5 ± 0.3	1.2 ± 0.3	0.8 ± 0.3	0.8 ± 0.3
551-1000 MHz:	4.2 ± 0.3	4.2 ± 0.3	2.5 ± 0.5	1.9 ± 0.3	1.9 ± 0.3	1.5 ± 0.3	1.0 ± 0.3	1.0 ± 0.3
Return Loss In/Out (dB min)								
5-15 MHz:	16	16	16	16	16	18	18	18
15-42 MHz:	16	16	16	16	16	18	18	18
43-550 MHz:	18	18	16	20	18	18	18	18
551-1000 MHz:	18	18	16	18	18	18	18	18
Return Loss Tap (dB min)								
5-15 MHz:	18	18	18	18	18	18	18	18
15-42 MHz:	18	18	18	18	18	18	18	18
43-550 MHz:	18	18	18	18	18	18	18	18
551-1000 MHz:	18	18	18	18	18	18	18	18
Isolation Tap-Out (dB min)								
5-15 MHz:	24	24	27	30	28	30	30	36
15-42 MHz:	24	24	27	28	28	20	20	35
43-550 MHz:	22	22	24	26	24	28	28	30
551-1000 MHz:	20	20	21	23	21	24	25	29
Isolation Tap-Tap (dB min)								
5-15 MHz:	20	20	20	20	20	20	20	20
15-42 MHz:	20	20	20	20	20	20	20	20
43-550 MHz:	22	22	22	24	24	24	24	24
551-1000 MHz:	20	20	20	20	20	20	20	20
Tap Loss (dB)								
5-1000 MHz:	10.5 ± 1.5	12 ± 1.5	14 ± 1.5	16 ± 1.5	17 ± 1.5	18 ± 1.5	20 ± 1.5	24 ± 1.5

○ Specifications

DGT-8 (8 Port)

Insertion Loss (dB)	11	14	17	20	23	27
5-15 MHz:	NA	5.1 ± 0.3	3.4 ± 0.3	1.0 ± 0.3	0.5 ± 0.3	0.5 ± 0.3
15-42 MHz:	NA	5.1 ± 0.3	3.4 ± 0.3	1.0 ± 0.3	0.6 ± 0.3	0.6 ± 0.3
43-550 MHz:	NA	5.5 ± 0.3	4.0 ± 0.3	1.5 ± 0.3	1.0 ± 0.3	1.0 ± 0.3
551-1000 MHz:	NA	6.0 ± 0.5	4.2 ± 0.5	2.0 ± 0.5	1.6 ± 0.5	1.2 ± 0.5
Return Loss In/Out (dB min)						
5-15 MHz:	18	18	18	18	18	18
15-42 MHz:	18	18	18	18	18	18
43-550 MHz:	18	18	18	18	18	18
551-1000 MHz:	18	18	18	18	18	18
Return Loss Tap (dB min)						
5-15 MHz:	18	18	18	18	18	18
15-42 MHz:	18	18	18	18	18	18
43-550 MHz:	18	18	18	18	18	18
551-1000 MHz:	18	18	18	18	18	18
Isolation Tap-Out (dB min)						
5-15 MHz:	NA	25	25	25	25	25
15-42 MHz:	NA	25	25	25	25	30
43-550 MHz:	NA	25	25	25	25	25
551-1000 MHz:	NA	25	26	26	26	26
Isolation Tap-Tap (dB min)						
5-15 MHz:	23	23	25	25	25	25
15-42 MHz:	23	23	25	25	25	25
43-550 MHz:	22	22	22	22	22	22
551-1000 MHz:	20	22	22	22	22	22
Tap Loss (dB)						
5-1000 MHz:	11.5 ± 1.5	14 ± 1.5	17 ± 1.5	20 ± 1.5	23 ± 1.5	27 ± 1.5

○ Ordering Information

Model	Stock No.	Description
DGT	1955	Directional Tap, 1 Output, Low Intermod., 5-1000 MHz, Values: 6, 8, 10, 12, 14, 16, 18, 20, 24, 30
DGT-2	1956	Directional Tap, 2 Output, Low Intermod., 5-1000 MHz, Values: 8, 10, 12, 14, 16, 18, 20, 24
DGT-4	1957	Directional Tap, 4 Output, Low Intermod., 5-1000 MHz, Values: 10, 12, 14, 16, 18, 20, 24
DGT-8	1958	Directional Tap, 8 Output, Low Intermod., 5-1000 MHz, Values: 11, 14, 17, 20, 23, 27