

Digital Ready 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	1.6	1.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0
15-42 MHz:	1.9	1.5	1.4	1.1	1.0	0.9	0.9	0.9	0.9	0.9
43-550 MHz:	2.3	1.85	1.6	1.2	1.2	1.1	1.1	1.1	1.1	1.1
551-1000 MHz:	2.7	2.5	1.8	1.2	1.4	1.3	1.3	1.3	1.3	1.3
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	8	10	12	14	16	18	20	24	30

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○ Specifications

DGT-2 (2 Port)(dB)	8	10	12	14	16	18	20	24
Insertion Loss								
5-15 MHz:	3.5	2.0	1.9	1.5	0.8	0.7	0.7	0.7
15-42 MHz:	3.4	1.9	1.5	1.3	0.7	0.6	0.6	0.6
43-550 MHz:	3.6	2.0	1.9	1.4	1.1	0.8	0.8	0.8
551-1000 MHz:	4.2	2.5	2.2	1.7	1.3	1.0	1.0	1.0
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	10	12	14	16	18	20	24

DGT-4 (4 Port)(dB)	10	12	14	16	17	18	20	24
Insertion Loss								
5-15 MHz:	3.5	3.5	2.0	1.3	1.3	1.0	0.8	0.7
15-42 MHz:	3.7	3.7	1.9	1.2	1.2	1.0	0.6	0.6
43-550 MHz:	3.9	3.9	2.0	1.5	1.5	1.2	0.8	0.8
551-1000 MHz:	4.2	4.2	2.5	1.9	1.9	1.5	1.0	1.0
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	12	14	16	17	18	20	24

Distribution

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○ Specifications

DGT-8 (8 Port)

Insertion Loss (dB)	11	14	17	20	23	27
5-15 MHz:	NA	5.1	3.4	1.0	0.5	0.5
15-42 MHz:	NA	5.1	3.4	1.0	0.6	0.6
43-550 MHz:	NA	5.5	4.0	1.5	1.0	1.0
551-1000 MHz:	NA	6.0	4.2	2.0	1.6	1.2
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	14	17	20	23	27

Distribution

○ 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