



**BLONDER
TONGUE**
LABORATORIES, INC.

SRT-A SERIES

INDOOR 5-1000 MHz TAPS

Blonder Tongue's SRT Series of indoor 1 GHz taps are the standard for directional couplers used in broadband systems such as those in educational, correctional, commercial, and MDU's. Models are available with 2, 4, and 8 tap ports and have tap values from 35 dB to 4 dB (model dependant) in 3 dB increments. All models have die-cast housings and provide RFI shielding of 120 dB.



FEATURES

- 1 GHz Bandwidth
- 2, 4 and 8 Port Models
- 120 dB RFI Shielding
- Diecast Housing
- Built-in Ground Block

SPECIFICATIONS

SRT-2a

Tap Value (dB)	4	8	11	14	17	20	23	26	29	32
Insertion Loss										
5 MHz:	*	4.2	2.4	1.7	1.2	1.0	0.7	0.7	0.7	0.7
300 MHz:	*	4.2	2.4	1.7	1.2	1.0	0.7	0.7	0.7	0.7
450 MHz:	*	4.2	2.4	1.7	1.2	1.0	0.7	0.7	0.7	0.7
500 MHz:	*	4.9	2.8	1.8	1.5	1.1	1.0	1.0	1.0	1.0
600 MHz:	*	5.5	3.0	2.0	1.8	1.3	1.2	1.2	1.2	1.2
1000 MHz:	*	6.0	3.6	2.6	2.1	1.6	1.4	1.4	1.4	1.4
Return Loss										
5 - 10 MHz:	18	16	18	18	18	18	18	18	18	18
10 - 50 MHz:	20	18	20	20	20	20	20	20	20	20
50 - 750 MHz:	18	18	20	20	20	20	20	20	20	20
750 - 1000 MHz:	16	16	16	16	16	16	16	16	16	16
Return Loss (Tap)										
5 - 10 MHz:						16				
10 - 50 MHz:						18				
50 - 750 MHz:						20				
750 - 1000 MHz:						18				
Isolation Tap-to-Tap:										
5 - 10 MHz:						22				
10 - 450 MHz:						26				
450 - 750 MHz:						25				
750 - 1000 MHz:						22				
Isolation Out-to-Tap										
5 - 400 MHz:	-	22	25	28	31	35	36	38	40	40
400 - 500 MHz:	-	20	23	25	28	32	35	39	42	45
500 - 600 MHz:	-	17	21	22	25	29	33	36	39	42
600 - 1000 MHz:	-	15	17	18	20	22	25	25	27	28
Tap Tolerance ($\pm$ dB)										
5 - 10 MHz:	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
10 - 550 MHz:	1.0	1.0	1.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5
550 - 1000 MHz:	1.0	1.5	1.5	1.5	1.5	1.5	1.5	2.0	2.0	2.0

* Terminated

ORDERING INFORMATION

Model	Stock #	Description
SRT-2a	1942	Directional Tap, 2 Output 5-1000 MHz, In-Line Style, Values 4, 8, 11, 14, 17, 20, 23, 26, 29, 32 dB
SRT-4a	1944	Directional Tap, 4 Output 5-1000 MHz, In-Line Style, Values 8, 11, 14, 17, 20, 23, 26, 29, 32, 35 dB
SRT-8a	1948	Directional Tap, 8 Output 5-1000 MHz, In-Line Style, Values 11, 14, 17, 20, 23, 26, 29, 32, 35 dB

SPECIFICATIONS

SRT-4a

Tap Value (dB)	8	11	14	17	20	23	26	29	32	35
Insertion Loss (dB)										
5 MHz:	*	3.5	1.8	1.0	0.7	0.7	0.5	0.5	0.5	0.5
300 MHz:	*	3.5	1.7	1.0	0.7	0.6	0.5	0.5	0.5	0.5
400 MHz:	*	4.0	2.1	1.5	1.1	0.8	0.7	0.7	0.7	0.7
500 MHz:	*	4.5	2.3	1.8	1.3	1.2	1.0	0.8	0.8	0.8
600 MHz:	*	5.5	2.5	2.0	1.5	1.3	1.1	1.0	1.0	1.0
1000 MHz:	*	6.5	3.0	2.5	1.8	1.5	1.3	1.3	1.3	1.3
Return Loss (In/Out) (dB)										
5 - 10 MHz:	18	18	16	18	18	18	18	18	18	18
10 - 50 MHz:	20	20	18	20	20	20	20	20	20	20
50 - 450 MHz:	18	18	18	20	20	20	20	20	20	20
450 - 750 MHz:	18	18	18	18	18	18	18	18	18	18
750 - 1000 MHz:	16	16	16	16	16	16	16	16	16	16
Return Loss (Tap) (dB)										
5 - 10 MHz:						18				
10 - 750 MHz:						20				
750 - 1000 MHz:						18				
Isolation Tap-to-Tap (dB):										
5 - 10 MHz:						22				
10 - 450 MHz:						26				
450 - 750 MHz:						25				
750 - 1000 MHz:						22				
Isolation Out-to-Tap (dB)										
5 - 400 MHz:	-	24	27	31	33	37	38	40	43	45
400 - 500 MHz:	-	24	25	26	31	34	37	40	42	45
500 - 600 MHz:	-	21	21	23	27	29	31	35	38	40
1000 MHz:	-	20	20	22	24	26	27	27	30	30
Tap Tolerance ($\pm$ dB)										
5 - 450 MHz:	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
450 - 750 MHz:	1.0	1.0	1.5	2.0	2.0	2.0	2.0	2.0	2.0	2.0
750 - 1000 MHz:	1.5	1.5	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0

SRT-8a

Tap Value (dB)	11	14	17	20	23	26	29	32	35
Insertion Loss (dB)									
5 - 50 MHz:	*	3.5	1.9	1.2	0.8	0.8	0.7	0.7	0.7
50 - 450 MHz:	*	4.0	2.3	1.5	1.0	0.9	0.8	0.8	0.8
450 - 750 MHz:	*	4.2	2.4	1.8	1.2	1.0	1.0	1.0	1.0
750 - 1000 MHz:	*	4.5	2.5	2.0	1.4	1.2	1.0	1.0	1.0
Return Loss (In/Out) (dB)									
5 - 10 MHz:	18	18	16	18	18	18	18	18	18
10 - 50 MHz:	20	20	18	20	20	20	20	20	20
50 - 450 MHz:	20	20	18	20	20	20	20	20	20
450 - 750 MHz:	18	18	18	18	18	18	18	18	18
750 - 1000 MHz:	16	16	16	16	16	16	16	16	16
Return Loss (Tap) (dB)									
5 - 10 MHz:						18			
10 - 750 MHz:						18			
750 - 1000 MHz:						18			
Isolation Tap-to-Tap (dB):									
5 - 10 MHz:						22			
10 - 450 MHz:						26			
450 - 750 MHz:						25			
750 - 1000 MHz:						22			
Isolation Out-to-Tap (dB)									
5 - 10 MHz:	-	30	28	36	36	38	38	38	38
10 - 50 MHz:	-	30	28	35	36	35	36	36	36
50 - 450 MHz:	-	26	25	32	33	32	32	32	32
450 - 750 MHz:	-	24	24	30	30	30	30	30	30
750 - 1000 MHz:	-	24	24	26	26	28	28	28	30
Tap Tolerance ($\pm$ dB)									
5 - 450 MHz:	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
450 - 750 MHz:	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
750 - 1000 MHz:	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0

* Terminated