

# Blonder Tongue

# SRT Series

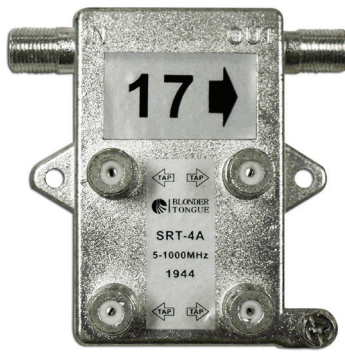
Indoor 5-1000 MHz Taps

## SOLUTIONS FOR ALL YOUR APPLICATIONS

The Blonder Tongue **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 dependent) in 3 dB increments. All models have die-cast housings and provide RFI shielding of 120 dB.



**SRT-2A**



**SRT-4A**



**SRT-8A**

### Features

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

### 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-2A

Tap Value (dB):	4	8	11	14	17	20	23	26	29	32
<b>Insertion Loss</b>										
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
<b>Return Loss</b>										
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
<b>Return Loss (Tap)</b>										
5-10 MHz:						16				
10-50 MHz:						18				
50-750 MHz:						20				
750-1000 MHz:						18				
<b>Isolation Tap-to-Tap</b>										
5-10 MHz:						22				
10-450 MHz:						26				
450-750 MHz:						25				
750-1000 MHz:						22				
<b>Isolation Out-to-Tap</b>										
5-400 MHz:	n/a	22	25	28	31	35	36	38	40	40
400-500 MHz:	n/a	20	23	25	28	32	35	39	42	45
500-600 MHz:	n/a	17	21	22	25	29	33	36	39	42
600-1000 MHz:	n/a	15	17	18	20	22	25	25	27	28
<b>Tap Tolerance (± dB)</b>										
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 (no thru-put)

## SRT-4A

Tap Value (dB):	8	11	14	17	20	23	26	29	32	35
<b>Insertion Loss</b>										
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
<b>Return Loss (In/Out)</b>										
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
<b>Return Loss (Tap)</b>										
5-10 MHz:						18				
10-750 MHz:						20				
750-1000 MHz:						18				
<b>Isolation Tap-to-Tap</b>										
5-10 MHz:						22				
10-450 MHz:						26				
450-750 MHz:						25				
750-1000 MHz:						22				
<b>Isolation Out-to-Tap</b>										
5-400 MHz:	n/a	24	27	31	33	37	38	40	43	45
400-500 MHz:	n/a	24	25	26	31	34	37	40	42	45
500-600 MHz:	n/a	21	21	23	27	29	31	35	38	40
1000 MHz:	n/a	20	20	22	24	26	27	27	30	30
<b>Tap Tolerance (± dB)</b>										
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

\* Terminated (no thru-put)

## SRT-8A

Tap Value (dB):	11	14	17	20	23	26	29	32	35
<b>Insertion Loss</b>									
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
<b>Return Loss (In/Out)</b>									
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
<b>Return Loss (Tap)</b>									
5-10 MHz:						18			
10 - 750 MHz:						18			
750 - 1000 MHz:						18			
<b>Isolation Tap-to-Tap</b>									
5-10 MHz:						22			
10-450 MHz:						26			
450-750 MHz:						25			
750 - 1000 MHz:						22			
<b>Isolation Out-to-Tap</b>									
5-10 MHz:	n/a	30	28	36	36	38	38	38	38
10-50 MHz:	n/a	30	28	35	36	35	36	36	36
50-450 MHz:	n/a	26	25	32	33	32	32	32	32
450-750 MHz:	n/a	24	24	30	30	30	30	30	30
750-1000 MHz:	n/a	24	24	26	26	28	28	28	30
<b>Tap Tolerance (± dB)</b>									
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 (no thru-put)