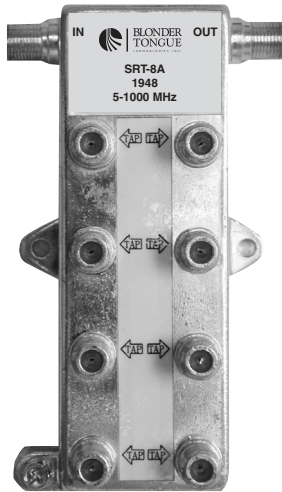


SRT-2,4, & 8A

Solder Back Directional Couplers



Blonder Tongue 's SRT Series of indoor 1GHz 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 & Benefits

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

○ Specifications

SRT-2A

Tap Value

Tap Loss (± dB)

5 - 450 MHz:

450 - 750 MHz:

750 - 1000 MHz:

Insertion Loss (dB)

5 - 50 MHz:

50 - 450 MHz:

450 - 750 MHz:

750 - 1000 MHz:

Isolation Tap-to-Tap (dB):

5 - 10 MHz:

10 - 450 MHz:

450 -750 MHz:

750 - 1000 MHz:

Isolation Out-to-Tap (dB)

5 - 50 MHz:

50 - 450 MHz:

450 - 750 MHz:

750 - 1000 MHz:

Return Loss (IN/OUT) (dB)

5 - 10 MHz:

10 - 50 MHz:

50 -750 MHz:

750 - 1000 MHz:

Return Loss (Tap) (dB)

5 - 10 MHz:

10 - 50 MHz:

50 -750 MHz:

750 - 1000 MHz:

	4	8	11	14	17	20	23	26	29	32
Tap Loss (± dB)	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
5 - 450 MHz:	1.0	1.0	1.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5
450 - 750 MHz:	1.0	1.5	1.5	1.5	1.5	1.5	1.5	2.0	2.0	2.0
750 - 1000 MHz:	1.0	1.5	1.5	1.5	1.5	1.5	1.5	2.0	2.0	2.0
Insertion Loss (dB)										
5 - 50 MHz:	*	3.0	2.3	1.2	1.0	0.9	0.7	0.7	0.7	0.7
50 - 450 MHz:	*	3.2	2.5	1.2	1.0	0.9	0.7	0.7	0.7	0.7
450 - 750 MHz:	*	3.3	2.6	1.5	1.3	1.2	1.2	1.0	1.0	1.0
750 - 1000 MHz:	*	3.5	3.0	2.2	1.8	1.2	1.2	1.2	1.2	1.2
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 - 50 MHz:	-	26	31	33	35	36	38	38	38	40
50 - 450 MHz:	-	23	26	28	32	33	35	35	35	35
450 - 750 MHz:	-	23	26	26	28	30	30	30	32	35
750 - 1000 MHz:	-	22	24	25	26	29	30	30	32	35
Return Loss (IN/OUT) (dB)										
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) (dB)										
5 - 10 MHz:										16
10 - 50 MHz:										18
50 -750 MHz:										20
750 - 1000 MHz:										18

* Terminated

SRT-2,4, & 8A

Solder Back Directional Couplers

○ Specifications

SRT-4A

Tap Value	8	11	14	17	20	23	26	29	32	35
Tap Loss (± 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
Insertion Loss (dB)										
5 - 50 MHz:	*	3.5	1.9	1.2	0.8	0.9	0.7	0.7	0.7	0.7
50 - 450 MHz:	*	3.6	2.2	1.2	1.0	0.9	0.7	0.7	0.7	0.7
450 - 750 MHz:	*	3.8	2.3	1.5	1.2	1.0	0.9	0.8	0.8	0.8
750 - 1000 MHz:	*	4.4	2.5	2.0	1.4	1.2	1.0	1.0	1.0	1.0
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:	-	24	28	35	36	38	38	40	43	45
10 - 50 MHz:	-	24	28	32	35	35	38	38	39	40
50 - 450 MHz:	-	26	28	30	32	35	36	36	39	40
450 - 750 MHz:	-	26	26	25	30	32	34	34	35	36
750 - 1000 MHz:	-	25	25	25	26	28	30	32	35	36
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			

○ Specifications

SRT-8A

Tap Value	11	14	17	20	23	26	29	32	35
Tap Loss (± 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
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
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
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:							20		
750 - 1000 MHz:							18		

* Terminated

○ Ordering Information (Specify Tap Value)

Model	Stock No.	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