

Solder Back Directional Couplers

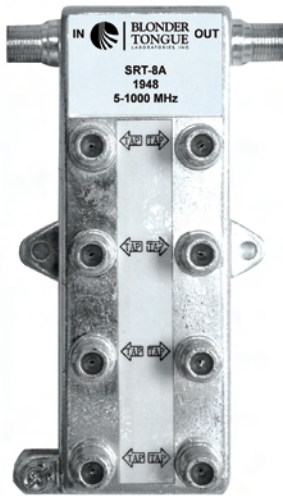
SRT-2,4, & 8a



○ 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 (dB)	4	8	11	14	17	20	23	26	29	32
Insertion Loss										
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
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 - 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
Tap Tolerance (± 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	1.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5
750 - 1000 MHz:	1.0	1.5	1.5	1.5	1.5	1.5	1.5	2.0	2.0	2.0

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.

* Terminated

Distribution

Solder Back Directional Couplers

SRT-2,4, & 8a

○ Specifications

SRT-4a

Tap Value (dB)	8	11	14	17	20	23	26	29	32	35
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
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 - 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
Tap Tolerance (± 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

○ Specifications

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:							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 - 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 (± 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

○ 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