

Indoor 5-1000 MHz Taps

SRT-a Series



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)

Insertion Loss

	4	8	11	14	17	20	23	26	29	32
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 (± 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

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.

SRT-a Series

○ 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 (± 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:							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 (± 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

Indoor 5-1000 MHz Taps

SDC-4, SCW, & SRT -x Series



SDC-4

○ Features & Benefits

- 4 Port 1 GHz Tap
- 120 dB RFI Shielding
- 5 to 1000 MHz Frequency Range

○ Specifications

SDC-4

Tap Value (dB)	20	24	30
Insertion Loss (dB max.)			
5-300 MHz:	0.8	0.8	0.7
300-600 MHz:	1.0	0.9	0.9
600-1000 MHz:	1.4	1.3	1.2
Return Loss (in/out) (dB min.)			
5-300 MHz:	18	18	18
300-600 MHz:	18	18	18
600-1000 MHz:	15	15	15
Isolation (Tap to Tap) (dB)			
5-30 MHz:	22	22	22
30-600 MHz:	25	25	25
600-1000 MHz:	22	22	22
Isolation (Out to Tap) (dB)			
5-300 MHz:	36	38	43
300-600 MHz:	33	35	39
600-1000 MHz:	26	28	32
Tap Tolerance (+/-) (dB)	1.5	1.5	1.5



SCW



SRT

○ Features & Benefits

- 1 GHz Bandwidth
- 1 Port Directional Couplers - "L" Style (SCW), "T" Style (SRT)
- 120 dB RFI Shielding
- Die Cast Housing

○ Specifications

SRT/SCW

Tap Value (dB)	4	6	9	12	16	20	24	27	30
Thru-line Loss (dB)									
5 - 900 MHz:	4.0	3.5	1.8	1.6	1.1	1.1	1.1	1.1	1.1
900 - 1000 MHz:	4.5	4.0	2.0	2.0	1.5	1.5	1.5	1.5	1.5
Input Return Loss (dB)									
5 - 400 MHz:	15	15	15	20	20	20	20	20	20
400 - 900 MHz:	12	13	16	18	18	18	18	18	18
Tap Down Loss (±1.0 dB):	3	6	9	12	16	20	24	27	30
Isolation Out-to-Tap (dB)									
5 - 400 MHz:	20	22	24	30	30	36	36	40	40
400 - 1000 MHz:	18	20	20	24	26	30	30	30	30

○ Ordering Information (Specify Tap Value)

Model	Stock No.	Description
SCW	1930	Directional Tap, 1 Output 5-1000 MHz, L Style, Values: 4, 6, 9, 12, 16, 20, 24, 27, 30 dB
SDC-4	1950	Directional Tap, 4 Output 5-1000 MHz, In-Line Style, Values: 20, 24, 30 dB
SRT	1940	Directional Tap, 1 Output 5-1000 MHz, T Style, Values: 4, 6, 9, 12, 16, 20, 24, 27, 30 dB