

Solder Back Indoor/Outdoor Splitters

SXRS Series & SCVS Series

○ Features & Benefits

- Superior Performance to 1000 MHz
- 2,3,4, 6 (SCVS Only) and 8 Way Models
- Die Cast Housing
- RFI Shielding 120 dB
- Built-in Ground Block



SXRS-2



SXRS-3



SXRS-4



SXRS-8



SCVS-2



SCVS-3



SCVS-4



SCVS-6



SCVS-8

○ Specifications

Electrical	SCVS/SXRS-2	SCVS/SXRS-3	SCVS/SXRS-4	SCVS-6	SCVS/SXRS-8
Number of Outputs:	2	3	4	6	8
Frequency Range (MHz):	5-1000	5-1000	5-1000	5-1000	5-1000
Splitter Loss (dB) (max)					
5-500 MHz:	3.6	5.8	7.0	9.5	10.5
500-860 MHz:	3.8	6.2	7.5	10.0	11.5
860-1000MHz:	4.2	6.8	8.0	11.0	12.0
Input Return Loss (dB) (min):					
5-40	16	16	16	16	16
40-500 MHz	22	20	20	18	20
500-860 MHz	20	20	18	18	20
860-1000 MHz	18	16	16	18	16
Isolation Between Outputs (dB) (min):					
5-40	22	22	22	25	22
40-500 MHz	30	25	25	28	25
500-860 MHz	26	25	25	25	25
860-1000 MHz	24	21	22	22	21

○ Ordering Information

Model	Stock No.	Description	Model	Stock No.	Description
SCVS-2	1902	Splitter, 2 Way Solder Back, 5-1000 MHz, L Style	SCVS-8	1908	Splitter, 8 Way Solder Back, 5-1000 MHz, L Style
SCVS-3	1903	Splitter, 3 Way Solder Back, 5-1000 MHz, L Style	SXRS-2	1922	Splitter, 2 Way Solder Back, 5-1000 MHz, In-Line Style
SCVS-4	1904	Splitter, 4 Way Solder Back, 5-1000 MHz, L Style	SXRS-3	1923	Splitter, 3 Way Solder Back, 5-1000 MHz, In-Line Style
SCVS-6	1906	Splitter, 6 Way Solder Back, 5-1000 MHz, L Style	SXRS-4	1924	Splitter, 4 Way Solder Back, 5-1000 MHz, In-Line Style
			SXRS-8	1928	Splitter, 8 Way Solder Back, 5-1000 MHz, L Style

Solder Back Indoor/Outdoor Directional Couplers & Tapoffs

SDC-4, SCW, & SRT -x Series



SDC-4

○ Features & Benefits

- 4 Port 1 GHz Tap
- 120 dB RFI Shielding
- Available in 6 Values from 8 to 30 dB
- 5 to 1000 MHz Frequency Range

○ Specifications

SDC-4

Tap Value	8 dB	12 dB	16 dB	20 dB	24 dB	30 dB
Insertion Loss (dB max.)						
5-300 MHz	N/A	3.5	1.5	0.8	0.8	0.7
300-600 MHz	N/A	3.8	1.8	1.0	0.9	0.9
600-1000 MHz	N/A	4.2	2.5	1.4	1.3	1.2
Return Loss (in/out) (dB min.)						
5-300 MHz	16	18	16	18	18	18
300-600 MHz	18	18	18	18	18	18
600-1000 MHz	15	15	15	15	15	15
Isolation (Tap to Tap) (dB)						
5-30 MHz	22	22	22	22	22	22
30-600 MHz	25	25	25	25	25	25
600-1000 MHz	22	22	22	22	22	22
Isolation (Out to Tap) (dB)						
5-300 MHz	N/A	24	28	36	38	43
300-600 MHz	N/A	26	28	33	35	39
600-1000 MHz	N/A	25	25	26	28	32
Tap Tolerance (+/-) (dB)	1.5	1.5	1.5	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	4	6	9	12	16	20	24	27	30
Thru-line Loss (dB)									
5 - 400 MHz:	3.5	3.0	1.2	0.9	0.7	0.6	0.5	0.5	0.5
400 - 900 MHz:	4.0	3.5	1.6	1.5	0.7	0.7	0.6	0.6	0.6
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: 8, 12, 16, 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

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

Insertion Loss

	4dB	8dB	11dB	14dB	17dB	20dB	23dB	26dB	29dB	32dB
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 (IN/OUT)

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

Solder Back Directional Couplers

SRT-2,4, & 8A

○ Specifications

SRT-4A

Tap Value	In 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	0.7
50 - 450 MHz:	*	3.6	2.2	1.2	1.0	0.9	0.7	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	0.8
750 - 1000 MHz:	*	4.4	2.5	2.0	1.4	1.2	1.0	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	18
10 - 50 MHz:	20	20	18	20	20	20	20	20	20	20	20
50 - 450 MHz:	18	18	18	20	20	20	20	20	20	20	20
450 - 750 MHz:	18	18	18	18	18	18	18	18	18	18	18
750 - 1000 MHz:	16	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	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	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	2.0

○ Specifications

SRT-8A

Tap Value	In 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	0.7
50 - 450 MHz:	*	4.0	2.3	1.5	1.0	0.9	0.8	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	1.0
750 - 1000 MHz:	*	4.5	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:	20	20	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:	-	30	28	36	36	38	38	38	38	38
10 - 50 MHz:	-	30	28	35	36	35	36	36	36	36
50 - 450 MHz:	-	26	25	32	33	32	32	32	32	32
450 - 750 MHz:	-	24	24	30	30	30	30	30	30	30
750 - 1000 MHz:	-	24	24	26	26	28	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	1.0
450 - 750 MHz:	1.5	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	2.0

* Terminated

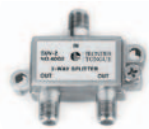
Distribution

○ Ordering Information (Specify Tap Value)

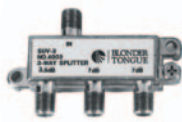
Model	Stock No.	Description
SRT-2a	1942	Directional Tap, 2 Output 5-1000 MHz, In-Line Style, Values: 4, 8, 11, 14, 17, 20, 23, 26, 29, 32 dB
SRT-4a	1944	Directional Tap, 4 Output 5-1000 MHz, In-Line Style, Values: 8, 11, 14, 17, 20, 23, 26, 29, 32, 35 dB
SRT-8a	1948	Directional Tap, 8 Output 5-1000 MHz, In-Line Style, Values: 11, 14, 17, 20, 23, 26, 29, 32, 35 dB

Indoor Passives

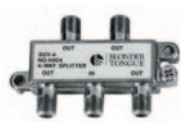
SUV Series, CRSP Series, ZS75 Series



SUV-2



SUV-3



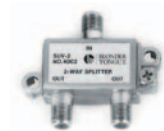
SUV-4



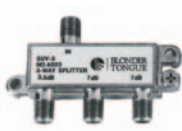
SUV-8

○ SUV Features & Benefits

- Performance to 1000 MHz
- 2,3,4 and 8 Way Models
- Die Cast Housing
- 80 dB RFI Shielding
- Built-in Ground Block



CRSP-2



CRSP-3



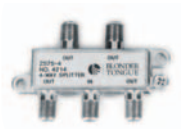
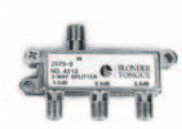
CRSP-4

○ CRSP Features & Benefits

- 750 MHz Bandwidth
- 2,3 and 4 Way Models
- Die Cast Housing with Ground Block
- 80 dB RFI Shielding
- 1 Output Port Power Passing (1 Amp Capacity)

○ SUV & CRSP Specifications

Electrical	SUV-2	SUV-3	SUV-4	SUV-8	CRSP-2	CRSP-3	CRSP-4
SUV Splitter Loss (dB)							
10-470 MHz:	4.0	4.5 (1 Port) 7.0 (2 Ports)	7.5	10.5	-	-	-
470-900 MHz:	4.5	5.0 (1 Port) 8.5 (2 Ports)	9.0	12.0	-	-	-
900-1000 MHz:	5.0	5.5 (1 Port) 9.0 (2 Ports)	10.0	13.0	-	-	-
CRSP Splitter Loss (dB)							
5 - 500 MHz:	-	-	-	-	3.9	5.7	7.1
500 - 600 MHz:	-	-	-	-	4.0	5.8	7.3
600 - 700 MHz:	-	-	-	-	4.3	6.1	7.5
Input Return Loss (dB):	8	12	13	7	17 Min.	17 Min.	17 Min.
Isolation Between Outputs (dB):	14	18	20	18	27 Min.	27 Min.	27 Min.



○ ZS75 Features & Benefits

- Low Cost 900 MHz Splitter with High Isolation
- 2,3,4 and 8 Way Models
- Die Cast Housing with Built-in Ground Block
- 80 dB RFI Shielding

○ ZS75 Specifications

Electrical	ZS75-2	ZS75-3	ZS75-4	ZS75-8
ZS75 Splitter Loss (dB)				
5 - 550 MHz:	3.5	5.2	7.2	12.0
550 - 900 MHz:	4.0	5.5	8.0	13.5
Input Return Loss (dB):	17 Min.	17 Min.	18 Min.	14 Min.
Isolation Between Outputs (dB):	27 Min.	27 Min.	27 Min.	27 Min.

○ Ordering Information

Model	Stock No.	Description	Model	Stock No.	Description
SUV-2	4002	Splitter, 2 Way 10-1000 MHz, In-Line Style	ZS75-2	4212	Splitter, 2 Way 5-900 MHz
SUV-3	4003	Splitter, 3 Way 10-1000 MHz, In-Line Style	ZS75-3	4213	Splitter, 3 Way 5-900 MHz
SUV-4	4004	Splitter, 4 Way 10-1000 MHz, In-Line Style	ZS75-4	4214	Splitter, 4 Way 5-900 MHz
SUV-8	4013	Splitter, 8 Way 10-1000 MHz, L Style	ZS75-8	4218	Splitter, 8 Way 5-900 MHz
CRSP-2	4072	Splitter, 2 Way 5-750 MHz, Power Passing			
CRSP-3	4073	Splitter, 3 Way 5-750 MHz, Power Passing			
CRSP-4	4074	Splitter, 4 Way 5-750 MHz, Power Passing			

Distribution