

# SDC-4, SCW, & SRT -x Series

Solder Back Indoor/Outdoor Directional Couplers & Tapoffs



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 (dB)	8	12	16	20	24	30
Tap Loss (dB)						
10 - 400 MHz ( $\pm 1.0$ ):	8.0	11.0	16.0	20.0	24.0	29.0
400 - 550 MHz ( $\pm 1.5$ ):	8.0	11.0	16.0	20.0	24.0	29.0
5-10 & 550 - 1000 MHz ( $\pm 2.5$ ):	8.0	11.0	16.0	20.0	24.0	29.0
Isolation Tap-to-Tap (dB)						
10-550 MHz:	27	27	27	27	27	27
5-10 & 550 - 1000 MHz:	22	22	22	22	22	22
Isolation Out-to-Tap (dB)						
5 - 400 MHz:	Terminated	24	31	33	37	42
400 - 500 MHz:		24	26	31	34	40
500 - 1000 MHz:		21	23	27	29	35
Thru-line Loss (dB)						
@ 5 Mhz:	No Thru Line	2.5	1.0	0.7	0.7	0.5
@ 300 MHz:		3.5	1.0	0.7	0.6	0.5
@ 400 MHz:		4.0	1.5	1.1	0.8	0.7
@ 500 MHz:		4.5	1.8	1.3	1.2	0.8
@ 1000 Mhz:		5.5	2.0	1.5	1.3	1.0
Input Return Loss (dB)						
10 - 100 MHz:	20	20	20	20	20	20
400 - 550 MHz::	17	17	17	17	17	17
550 - 1000 MHz:	14	14	14	14	14	14

## ○ Features & Benefits

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



SCW



SRT

## ○ Specifications

### SCW

Tap Value	4	6	9	12	16	20	24	27	30
Tap Loss ( $\pm 1.0$ dB):	3	6	9	12	16	20	24	27	30
Isolation Out-to-Tap (dB)									
5 - 470 MHz:	20	22	24	30	30	36	36	40	40
470 - 1000 MHz:	18	20	20	24	26	30	30	30	30
Thru-line Loss (dB)									
5 - 470 MHz:	3.5	3.0	1.2	0.9	0.7	0.6	0.5	0.5	0.5
470 - 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 - 470 MHz:	15	15	15	20	20	20	20	20	20
470 - 900 MHz:	12	13	16	18	18	18	18	18	18

### SRT

Tap Value	4	6	9	12	16	20	24	27	30
Tap Down Loss ( $\pm 1.0$ 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
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

## ○ 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

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