

# Solder Back Directional Couplers & Tapoffs

SDC-4, SCW, & SRT -x Series



SDC-4

## ○ Features & Benefits

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

## ○ Specifications

### SDC-4

Tap Value (dB)	8	12	16	20	24	30
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

Distribution



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 - 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