

## SCD516/1



**COMPLIES WITH**  
BSkyB SCR / EN 50607 / EN 50494



**dCSS Technology Multiswitch**

- ▶ SCR/Legacy Automatic selection
- ▶ One single cable for up to 16 SCR UB's
- ▶ IF-SAT with Automatic Control Gain.
- ▶ 3 step selectable SCR output level
- ▶ Diagnostic/Status Led
- ▶ Tap output with 5 dB positive tilt
- ▶ Low Loss Terrestrial passive tap



Ready for  
**UHDTV**

WARRANTY  
**5** YEARS



5 CABLES 1 TAP		SCD516/1	SCD516/1-15	SCD516/1T
TYPE		CASCADABLE	CASCADABLE	END
IF-SAT FREQUENCY RANGE	MHz		950... 2200	
TV TERR. FREQUENCY RANGE	MHz		5... 790	
N° INPUTS / OUTPUTS		5 / 5	5 / 5	5 / 0
N° TAP			1	
IF-SAT INPUT RANGE	dBμV		60... 100	
IF-SAT A.C.G. RANGE	dBμV		60... 90	
IF-SAT TAP LEVELS	dBμV		80/85/90	
THROUGH LOSS IF-SAT	dB	< 1	< 1	-
THROUGH LOSS TV TERR.	dB	- 7	- 12	- 7
TAP LOSS TV TERR.	dB	≤ 2	≤ 2	-
RETURN CHANNEL TAP LOSS (5... 65 MHz)	dB	- 7	- 12	- 12
SEPARATION IF-SAT / TV TERR.	dB		≥ 50	
SCR USER BAND Vs FREQUENCY ALLOCATIONS	MHz	COMPLIES WITH EN 50494		COMPLIES WITH EN 50607
		UB1= 1210	UB1= 1210	UB1= 1210
		UB2= 1420	UB2= 1420	UB2= 1420
		UB3= 1680	UB3= 1680	UB3= 1680
		UB4= 2040	UB4= 2040	UB4= 2040
		UB5= 985	UB5= 985	UB5= 985
		UB6= 1050	UB6= 1050	UB6= 1050
		UB7= 1115	UB7= 1115	UB7= 1115
		UB8= 1275	UB8= 1275	UB8= 1275
			UB9= 1340	UB9= 1340
			UB10= 1485	UB10= 1485
			UB11= 1550	UB11= 1550
			UB12= 1615	UB12= 1615
			UB13= 1745	UB13= 1745
			UB14= 1810	UB14= 1810
			UB15= 1875	UB15= 1875
			UB16= 1940	UB16= 1940
CROSS-POL. ISOLATION	dB	> 30	> 30	> 30
INPUTS - OUTPUTS ISOLATION	dB	> 30	> 30	> 30
PHASE NOISE	dBc/Hz		-90 @ DELTA F=1KHz	
RETURN LOSS	dB		> 12	
MAXIMUM CURRENT DRAIN @ 13V (16 SLOTS)	mA		290	
MAXIMUM CURRENT DRAIN @ 17V (16 SLOTS)	mA		500	
DIMENSIONS	mm		144x83x38	

## SCD516/2



**COMPLIES WITH  
BSkyB SCR / EN 50607 / EN 50494**



**dCSS Technology Multiswitch**

- ▶ SCR/Legacy Automatic selection
- ▶ 16 SCR UBfor each tap
- ▶ IF-SAT with Automatic Control Gain.
- ▶ 3 step selectable SCR output level
- ▶ Diagnostic/Status Led
- ▶ Tap output with 5 dB positive tilt
- ▶ Low Loss Terrestrial passive tap



Ready for  
**UHDTV**

**5**  
WARRANTY YEARS



5 CABLES 2 TAPS		SCD516/2	SCD516/2-15	SCD516/2T
TYPE		CASCADABLE	CASCADABLE	END
IF-SAT FREQUENCY RANGE	MHz		950... 2200	
TV TERR. FREQUENCY RANGE	MHz		5... 790	
N° INPUTS / OUTPUTS		5 / 5	5 / 5	5 / 0
N° TAP			2	
IF-SAT INPUT RANGE	dBμV		60... 100	
IF-SAT A.C.G. RANGE	dBμV		60... 90	
IF-SAT TAP LEVELS	dBμV		80/85/90	
THROUGH LOSS IF-SAT	dB	< 1	< 1	-
THROUGH LOSS TV TERR.	dB	- 10	- 15	- 10
TAP LOSS TV TERR.	dB	≤ 4	≤ 4	-
RETURN CHANNEL TAP LOSS (5... 65 MHz)	dB	- 10	- 15	- 10
SEPARATION IF-SAT / TV TERR.	dB		≥ 50	
SCR USER BAND Vs FREQUENCY ALLOCATIONS	MHz	<b>COMPLIES WITH EN 50494</b>	<b>COMPLIES WITH EN 50607</b>	
		<b>UB1= 1210</b> <b>UB2= 1420</b> <b>UB3= 1680</b> <b>UB4= 2040</b> UB5= 985 UB6= 1050 UB7= 1115 UB8= 1275	<b>UB1= 1210</b> <b>UB2= 1420</b> <b>UB3= 1680</b> <b>UB4= 2040</b> UB5= 985 UB6= 1050 UB7= 1115 UB8= 1275 UB9= 1340 UB10= 1485 UB11= 1550 UB12= 1615 UB13= 1745 UB14= 1810 UB15= 1875 UB16= 1940	
CROSS-POL. ISOLATION	dB	> 30	> 30	> 30
INPUTS - OUTPUTS ISOLATION	dB	> 30	> 30	> 30
PHASE NOISE	dBc/Hz		-90 @ DELTA F=1KHz	
RETURN LOSS	dB		> 12	
MAXIMUM CURRENT DRAIN @ 13V (16 SLOTS)	mA		360	
MAXIMUM CURRENT DRAIN @ 17V (16 SLOTS)	mA		500	
DIMENSIONS	mm		144x83x38	



