

5 cable dSCR system

Cascadable single cable multiswitch

CTSRM580



- Control according legacy/EN 50494/EN 50607
- Configurable with programmer PC102W; 4 dSCR +4 legacy outputs
- 8 dSCR outputs and 4 static mode outputs other configurations are possible
- DC input for external power supply & current pass to H trunk lines, switchable
- Independent selection of horizontal/vertical, low/high band and transponder from each receiver
- Switchable active/bypass terrestrial TV path
- LED indication of powering
- Die-cast housing
- Connectors: RF inputs/outputs - type FDC input - type F

Cascadable single cable multiswitch for the distribution of SAT IF and DTT signals over one cable to up to 32 receivers.

Technical specifications

T Y P E		CTSRM580	
Frequency range	SAT IF	950 - 2150 MHz	
	Terr. TV	5 - 862 MHz	
Number of inputs & trunk outputs	SAT IF	4	
	Terr. TV	1	
Number of tap outputs		8 (4 pairs)	
Return loss / impedance		> 10 dB / 75 Ω	
Input level	SAT IF	65-100 dBμV	
	Terr. TV (active mode)	92 dBμV max.	
Tap output with combined DTT	user bands (dSCR mode)	configurable 32 max.	
	user band bandwidth (dSCR mode)	configurable 20-60 MHz	
	dSCR mode output level, AGC controlled	84 dBμV	
	legacy mode output level	78 dBμV	
	Terr. TV loss (active mode)	6 dB	
	Terr. TV loss (bypass mode)	22 dB	
	Terr. TV output level (active mode)	86 dBμV max.	
Trunk gain	SAT IF	> -4 dB	
	Terr. TV (active mode)	10 dB	
	Terr. TV (bypass mode)	-6 dB	
	Terr. TV output level (active mode)	102 dBμV max.	
DC pass through	SAT IF	2 A max., 1 A max. through one line	
	Terr. TV	250 mA max.	
Decoupling	SAT IF inputs/SAT IF inputs	> 30 dB	
	SAT IF inputs/tap outputs	> 30 dB	
	SAT IF / Terr. TV	> 25 dB	
Current consumption	from DC input*	20V 1.2A max.	
	from H lines	legacy mode	13 V 260 mA max., 18V 230 mA max.
		dSCR mode	13 V 360 mA max., 18V 290 mA max.
	legacy+dSCR mode		
Current pass from DC input to H trunk lines, switch.		20V 800 mA max.	
Operating temperature range		-20° — 50°C	
Dimensions/Weight (packed)		226.6x133.6x30mm/0.80kg	

* without external feeding