

Cascadable Multiswitches (active)

SMK 5543 FA, SMK 5583 FA, SMK 55123 FA, SMK 55163 FA, SMK 55243 FA

For 4, 8, 12, 16 or 24 subscribers.

- Return path compatible
- The SAT-IF polarity selection is controlled by remote voltage, < 14 V ≅ vert. / > 16 V ≅ hor. and the 22 kHz tone provided by the receiver.
- Ground clamp
- Active Terrestrial in the range between 85 ... 862 MHz
- Active SAT-IF stage
- SMK 5583 FA, SMK 55123 FA, SMK 55163 FA, SMK 55243 FA have a DC jack for remote power, if the Launch Amplifier would not provide remote power voltage.
- LED operation display (not on SMK 5543 FA)

5 ... 65 MHz
passive

950 ... 2200 MHz

85 ... 862 MHz
active



Model Art. No.	SMK 5543 FA 842484	SMK 5583 FA 842486	SMK 55123 FA 842418	SMK 55163 FA 842419	SMK 55243 FA 842487
Inputs / Outputs SAT / Terrestrial	5 / 5 4 / 1				
Outputs / Subscribers	4	8	12	16	24
Through loss Terr.	4 dB	5 dB	6 ... 5 dB	6 ... 5 dB	6 ... 5 dB
Through loss SAT	1 ... 1.5 dB	1 ... 2.5 dB	1.5 ... 3.5 dB	2 ... 5 dB	3 ... 7.5 dB
Tap loss Terr. 5 ... 65 MHz	20 ... 21 dB	21 ... 22 dB	22 ... 23 dB	26 ... 27 dB	27 ... 28 dB
Tap loss Terr. 85 ... 862 MHz	6 ... 3 dB	5 ... 4 dB	5 ... 3 dB	10 ... 6 dB	10 ... 6 dB
Tap gain SAT 950 ... 2200 MHz	2 ... 7 dB	0 ... 6 dB	0 ... 6 dB	0 ... 6 dB	0 ... 6 dB
Max. output level Terr. 85...862 MHz 60 dB IMA ₃ / EN 60728-3	92 dBμV	92 dBμV	90 dBμV	88 dBμV	86 dBμV
Max. output level SAT 950...2200 MHz 35 dB IMA ₃ / EN 60728-3	95 dBμV	95 dBμV	95 dBμV	95 dBμV	95 dBμV
Switching isolation	≥ 30 dB				
Isolation Trunkline / Trunkline	> 30 dB				
Isolation Receiver / Receiver	≥ 30 dB				
Max. DC-through path Trunkline 0; 2; 3 and 4	1 A				
Current consumption for each receiver	max. 75 mA				
Ambient temperature	-20 ... +50 °C				
Dimensions (mm)	140 x 90 x 40	145 x 131 x 40	185 x 131 x 40	225 x 131 x 40	305 x 131 x 40

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