

5 Wire Passive Cascade Switches



The SMK5000F switch series is designed for use with the SBK5000 series of high level launch amplifiers. Because the SMK switch series is passive there are no limitations to the level achievable at the switch ports, giving an unparalleled reach – in excess of 90m on a 1mm cc coax.

A combination of a small case size together with a stackable kit option (SSK500 series) mean that the industries smallest footprint is achieved, allowing the use of smaller, lower cost cabinets without the heat dissipation problems associated with other switchgear. Since the terrestrial path is passive it is bi-directional down to 5MHz.

- Terrestrial passive, return path capable.
- Power pass through switch for line repeaters.
- Grounding clamp.
- Superior screening using serrated case compression.
- Standby function on line 1 for SBK amplifiers.

Technical Data	SMK5543F	SMK5562F	SMK5583F	SMK55123F	SMK55163F	SMK55243F
Inputs/Outputs Sat/Terr.	5/5 4/1					
Subscribers	4	6	8	12	16	24
Frequency Ranges Terrestrial SAT IF	5 – 862MHz 950 – 2150MHz					
Through loss Terrestrial SAT IF	3 dB 2 dB	5 dB 2...5 dB	6 dB 2...5 dB	5...6 dB 4...8 dB	5...6 dB 4...8 dB	5...6 dB 4...8 dB
Tap loss Terrestrial SAT IF	16 dB 18...16 dB	18 dB 18...16 dB	18 dB 18...16 dB	25...27dB 18...16 dB	25...27 dB 18...16 dB	27...32 dB 20...23 dB
Isolation Trunk/trunk Receiver/receiver	>30 dB >26 dB					
Current consumption from receiver	Max. 60mA					
DC through path per trunk line 0; 2...4	1 A					
Dimensions (HxWxD)	140x90x40	140x153x40	145x130x40	185x130x40	225x130x40	305x130x40

5 Wire Active Cascade Switches



With introduction of SMK5000FA switch series it's possible to create an IRS system of up to 96 points fed just from one amplifier! SMK5000FA switches designed to work with lower levels after a cascade of passive switches.

A combination of a small case size together with a stackable kit option (SSK500 series) mean that the industries smallest footprint is achieved, allowing the use of smaller, lower cost cabinets without the heat dissipation problems associated with other switchgear. Return Path compatible.

- Active Terrestrial.
- Receiver Powered Active Satellite-IF stage.
- Power pass through switch for line repeaters.
- Grounding clamp.
- Superior screening using serrated case compression.
- Standby function on line 1 for SBK amplifiers.
- DC input for remote powering terrestrial stage
- LED operation display. (not on SMK5543FA)

Technical Data	SMK5543FA	SMK5583FA	SMK55123FA	SMK55163FA	SMK55243FA
Inputs/Outputs Sat/Terr.	5/5 4/1				
Subscribers	4	8	12	16	24
Frequency Ranges Terrestrial SAT IF	5 – 862MHz 950 – 2150MHz				
Through loss Terrestrial SAT IF	3 dB 2 dB	6 dB 2...5 dB	5...6 dB 4...8 dB	5...6 dB 4...8 dB	5...6 dB 4...8 dB
Tap Terrestrial Loss SAT IF Gain	3 dB 6 dB	6 dB 6 dB	6 dB 6 dB	6 dB 6 dB	6 dB 6 dB
Max Output Terrestrial 60dB IMA ³ SAT IF 30dB IMA ³	92 dBµV 95 dBµV	92 dBµV 95 dBµV	90 dBµV 95 dBµV	88 dBµV 95 dBµV	86 dBµV 95 dBµV
Isolation Trunk/trunk Receiver/receiver	>30 dB >26 dB				
Current consumption from receiver	Max. 75mA				
DC through path per trunk line 0; 2...4	1 A				
Dimensions (HxWxD)	140x90x40	145x130x40	185x130x40	225x130x40	305x130x40