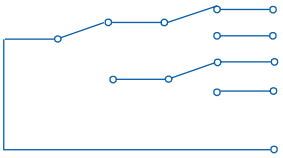
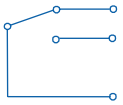
SMP6203, SMP6204

75Ω Coaxial Switches >500MHz

- Ideal for Video and Telecommunication Switching Applications
- 10W Maximum Switching Power
- Can be Mixed and Matched to Create Application Specific Configurations
- Controlled 75Ω characteristic Impedance
- No Unterminated Stub Effects
- Excellent Crosstalk and Isolation Specifications



Model SMP6203
1 of 6 (1x4) 75Ω RF Trees



Model SMP6204
1 of 10 (1x2) 75Ω RF Switches

SMP6203	6 (1X4) 75Ω RF Trees >500MHz
SMP6204	10 (1x2) 75Ω RF Switches >500MHz

Overview

The SMP6203 and SMP6204 high-density 75Ω RF switch modules are designed for telecommunication applications that require a controlled 75Ω signal impedance and high bandwidth, such as high-speed internet access and cable television equipment.

The front panel contains two high-density, 26-pin connectors, that make cabling to/from and between these switch modules fast and maintainable. All modules are configured to avoid any unterminated stub effects, improving overall signal integrity.

The SMP6203 and SMP6204 are part of the SMIP//™ family and can be mixed and matched with other SMIP//™ modules to configure high-density switching systems.

Specifications

Maximum Switching Voltage:	100V
Maximum Switching Current:	0.5A
Maximum Switching Power:	10W
Path Resistance:	<1Ω
Bandwidth (-3dB):	>500MHz
Insertion Loss:	
10MHz:	<0.5dB
100MHz:	<1.5dB
500MHz:	<2.5dB
Crosstalk:	
10MHz:	<-65dB
100MHz:	<-50dB
500MHz:	<-45dB
Isolation:	
10 MHz:	<-70dB
100MHz:	<-55dB
500MHz:	<-50dB
VSWR:	
100MHz :	<1.2:1
500MHz:	<1.5:1
Rated Switch Operations:	
Mechanical:	5×10^6
Electrical:	1×10^5 at full load
Switching Time:	<5mS