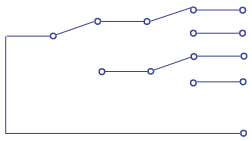
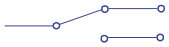
SMP6201/6202

75 Ω Coaxial Switches >500 MHz



SMP6201 - 1 of 10, (1x4) 75 Ω Trees



SMP6202 - 1 of 17, (1x2) 75 Ω Switches

Features

SMP6201 10 (1x4) 75 Ω RF Trees >500 MHz
SMP6202 17 (1x2) 75 Ω RF Switches >500 MHz

- Greater than 500 MHz Bandwidths with Excellent Crosstalk and Isolation
- High-density 75 Ω Switching
- Ideal for General Purpose Telecommunication and Video Applications
- Can be Mixed and Matched to Create Application Specific Configurations
- No Unterminated Stub Effects

Overview

The SMP6201 high-density (1x4) coaxial tree and SMP6202 high-density (1x2) coaxial switch modules are designed for general purpose 75 Ω RF switching. The front panel contains two high-density, 26-pin coaxial connectors designed for high reliability and superior signal integrity. These modules are designed for high-density 75 Ω applications under 500 MHz.

The SMP6201 and SMP6202 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:	100 V
Maximum Switching Current:	0.5 A
Maximum Switching Power:	10 W
Path Resistance:	<1 Ω
Bandwidth (-3 dB):	> 500 MHz
Insertion Loss:	
10 MHz:	<0.5 dB
100 MHz:	<1.5 dB
500 MHz:	<2.5 dB
Crosstalk:	
10 MHz:	<-65 dB
100 MHz:	<-50 dB
500 MHz:	<-45 dB
Isolation:	
10 MHz:	<-70 dB
100 MHz:	<-55 dB
500 MHz:	<-50 dB
VSWR:	
100 MHz:	<1.2:1
500 MHz:	<1.5:1
Rated Switch Operations:	
Mechanical:	5×10^6
Electrical:	1×10^5 at full load
Switching Time:	<5 ms