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General Purpose 2 A Relays

Overview

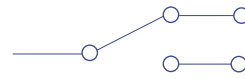
These high-density basic switch modules are designed for general purpose switching where individual relays can be used to route signals to/from the units under test (UUT), or combined externally to form user-defined configurations. The latter approach allows the same switch module to be used for testing multiple UUTs by simply changing the configuration within a UUT-specific external adapter. Up to 480 individual SPST relays, 300 individual SPDT, or 156 SP4T relays can be accommodated in a double-slot VXIbus card (SMP1200) for maximum density.

Specifications

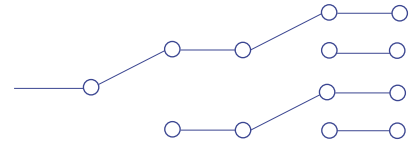
Maximum Switching Voltage:	300 V ac, 300 V dc
Maximum Switching Current:	2 A
Maximum Switching Power:	60 W dc, 125 VA
Path Resistance:	<300 mΩ
Insulation Resistance:	>1×10 ⁹ Ω
Maximum Thermal Offset per Channel (HI-LO):	<7 μV
Capacitance:	
Open Channel:	<50 pF
Channel-Mainframe:	<80 pF
High-Low:	<50 pF
Bandwidth (-3 dB):	> 100 MHz
Insertion Loss:	
100 kHz:	<0.1 dB
1 MHz:	<0.2 dB
10 MHz:	<1.0 dB
Crosstalk:	
100 kHz:	<-80 dB
1 MHz:	<-60 dB
10 MHz:	<-40 dB
Isolation:	
100 kHz:	<-50 dB
1 MHz:	<-45 dB
10 MHz:	<-40 dB
Rated Switch Operations:	
Mechanical:	1 × 10 ⁷
Electrical:	5 × 10 ⁵ at full load
Switching Time:	<3ms



SMP5001 - 1 of 80 SPST



SMP5002 - 1 of 50 SPDT



SMP5003 - 1 of 26 SP4T

Features

SMP5001	80 SPST 2 A Relays
SMP5002	50 SPDT 2 A Relays
SMP5003	26 SP4T 2 A Relays

High Channel Counts - up to 480 SPST Relays in Two VXIbus Card Slots

Can be Mixed and Matched to Create Application Specific Configurations

Ideal for General Purpose Switching

SPST Relays can be Paired to Configure 40 DPST Relays per SMP5001

SPDT Relays can be Paired to Configure 25 DPDT Relays per SMP5002



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