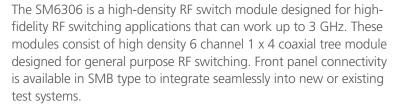


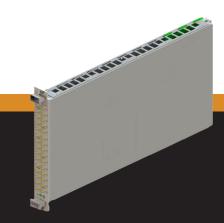
## **SM6306**

1 X 4 (6) COAXIAL SWITCH UP TO 3 GHZ



All relays used in this module are independently controllable and exhibits excellent crosstalk and isolation. These modules are configured to avoid any unterminated stub effects and hence improving overall signal integrity.

Specifications	
Channel Count	6 (1 x 4)
Relay Type	Non-Latching Electromechanical, fail-safe
Connector Type	SMB (female)
Max. Switching Voltage	250VAC RMS, 220 VDC
Max. Switching Current	1.5A
Max. Switching Power	60W DC, 62.5VA / 50W (2.5GHz)
Switching Time	3ms typical, 5ms Max.
Path Resistance	< 0.5Ω
Insulation Resistance	> 10°Ω
Maximum Thermal Offset	< 10µV
Propagation Delay	< 3ns
Mechanical Endurance	10 <sup>7</sup> Operations with no load, 10 <sup>5</sup> Operations with Max. rated Load
Insulation Resistance	>10 <sup>8</sup> Ω; < (40°C, 65% RH)
Dimensions	VXI C-size, 1-slot
Weight	< 3 lbs (1.4 kg)



## **FEATURES:**

- Wide bandwidth up to 3 GHz
- High density RF switches
- 220VDC, 250VAC Max switching voltage
- 50W Max RF power
- Excellent Crosstalk and Isolation
- No Unterminated Stub Effects

Insertion Loss	
Frequency	Insertion Loss
< 0.1 GHz	< 0.4 dB
< 0.5 GHz	< 0.9 dB
< 1.5 GHz	< 1.5 dB
< 3.0 GHz	< 3.0 dB
VSWR	
Frequency	VSWR
< 0.1 GHz	< 1.15
< 0.5 GHz	< 1.28
< 1.5 GHz	< 1.40
< 3.0 GHz	< 1.80
Crosstalk	
Frequency	Crosstalk
< 0.1 GHz	< -80 dB
< 0.5 GHz	< -65 dB
< 1.5 GHz	< -50 dB
< 3.0 GHz	<-30 dB



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