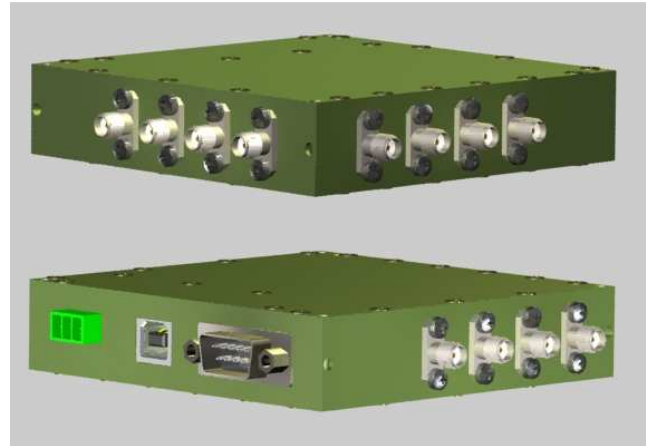


Wideband universal RF switch matrix

4x4 RF Switch Matrix is designed for frequency range up to 6.0 GHz and RF power level up to 2.5W. Device input and output ports are matched into 50Ω.

Features:

- Excellent Insertion Loss
- Excellent VSWR
- High Linearity and Isolation
- Absorptive switch design
- 3V and 5V operation
- Control options
 - I/O
 - USB
 - RS485
- Customized solution upon request
 - RF connector allocation
 - DC supply
 - Control interface
 - Optimized Insertion or Return Loss



Applications:

- ATE environment
- Cellular and Wireless applications
- Filter bank selector
- Transceiver systems

Options:

Excellent insertion loss, very good VSWR	opt. 001
Excellent VSWR, very good insertion loss	opt. 002

Absolute maximum ratings:

	Minimum	Maximum
Supply voltage	3.2V	5.5V
Control voltage	3.2V	5.5V
RF power input	-	+30@70-400MHz +34@0.4-6.0GHz
Operating temperature	-40°C	+85°C

Technical specifications:

	Opt. 001	Opt. 002	Opt. 001	Opt. 002	Opt. 001	Opt. 002
Frequency range	1MHz-0.4GHz		0.4-4.0 GHz		4.0-6.0GHz	
Input impedance	50 ohm					
Insertion loss	<2.5 dB	<3.8 dB	<3.2 dB	<4.6 dB	<3.9dB	<5.3dB
Return Loss	>10dB	>18dB	>18dB	>20dB	>15dB	>17dB
Isolation (RFC to open port)	>50 dB		>40 dB		>35 dB	
Input 1dB compression, typ.	+30 dBm		+34 dBm		+34 dBm	
Input IP3, typ.	+60dBm		+60dBm		+60dBm	
Switching time	<20µsec					
Supply voltage, Vdd nominal	+3.3V					
RF connectors	8x SMA-female					
DC and CTRL connector	Type according to customer specification					
Case dimensions (without connectors)	90x80x17mm					