RF & Microwave Test Solutions from Pickering Interfaces

Pickering Interfaces has a wide range of RF & Microwave switch modules that can be used to increase the flexibility of Test & Measurement systems with signal bandwidths up to 65GHz. Available PXI and LXI switch module configurations include high-density multiplexers, matrices and general-purpose switches.

All versions exhibit low insertion loss and VSWR through the use of modern RF switch technology at an affordable cost. Each module has been carefully designed to ensure excellent and repeatable RF characteristics with all signal paths having nominally equal insertion loss wherever possible.

All our modules may be ordered together with mating cables to ensure speedy and successful system integration.









Detailed Pricing & Technical Data On-Line www.pickeringtest.com

pickering



40-884 6GHz 4x4 Matrix SMA 500hm



40-727 Expandable Matrix 300MHz SMB 50Ohm



40-784 Microwave MUX 6GHz,26.5GHz,40GHz SMA, 50Ohm



40-870 Hex SPDT RF Switch SMB 50 Ohm



40-875 Single 16:1 RF MUX SMB 50 Ohm

This is our 50 ohm range, our 75 ohm range has similar functionality, but with appropriate connectors.



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RF	Switching	το	ь спг

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Switch Type	Max Freq	No of Switches	Connectors	Order Code		
SPDT Terminated	6GHz	2, 4, 6, 8	SMA	40-880		
SPDT	3GHz	3, 6	SMB, MCX	40-870		
SPDT	2.5GHz	4	BNC, SMA, SMB	40-710		
SPDT	1.2GHz	9,17	SMB	40-754		
SPDT	500MHz	9,17	MS-M	40-754		
SP4T Terminated	6GHz	1, 2, 3, 4	SMA	40-882		
SP4T Terminated	3GHz	1, 2	SMB, MCX	40-873		
SP4T Terminated	2GHz	1	SMA, SMB	40-740		
SP4T Term Common	3GHz	1, 2, 4	SMB, MCX	40-876		
SP4T	3GHz	1, 2, 4	SMB, MCX	40-872		
SP4T	2GHz	1, 2, 4	BNC, SMA, SMB	40-745, -746, -749		
SP4T	1.8GHz	4, 10	SMB	40-755		
SP4T	500MHz	5, 10	MS-M	40-755		
SP4T, SP6T	6GHz	1, 2	SMA	40-784 NEW		
SP6T Terminated	6GHz	1, 2	SMA	40-881		
SP8T	3GHz	1, 2	SMB, MCX	40-874		
SP8T	2GHz	1, 2	SMA, SMB	40-745, -748, -778		
SP16T	3GHz	1	SMA, SMB, MCX	40-875, -777		
SP16T	1GHz	1	SMA, SMB	40-747		
2x2 Matrix	2.5GHz	1, 2	SMB, MCX	40-877		
4x4 Matrix	6GHz	1	SMA	40-884 NEW		
8x2 Matrix	1.5GHz	1	SMB	40-750		
8x9 Matrix	500MHz	1	SMB	40-725		
12x8 Matrix	300MHz	1	SMB	40-726A		
Expandable 16x4, 16x2, 8x4 Matrix	300MHz	1	SMB	40-727,728,729 NEW		

Microwave Switching to 65 GHz

Switch Type	Max Freq	No of Switches	Connectors	Order Code	
SPDT	65GHz	1,2,3,4	SMA, N-type	40-780	
Transfer	26.5GHz	1,2	SMA	40-782	
SP4T, SP6T	40GHz	1, 2	SMA, SMA-2.9	40-784 NEW	
SP6T	40GHz	1, 2	SMA, SMA-2.9	40-785, 785A	
SP6T Remote Relays	40GHz	1, 2, 3	SMA, SMA-2.9	40-785, 785A	
SP6T Terminated	40GHz	1, 2	SMA, SMA-2.9	40-785, 785A	
SP6T Term Remote	40GHz	1, 2, 3	SMA, SMA-2.9	40-785, 785A	
SP6T	20GHz	1, 2, 3	SMA	40-786	

PXI RF Attenuators

- 41-180 DC To 3GHz Programmable Attenuator
 - 0 to 63dB in 1dB steps
 - Single and Dual Versions in One PXI Slot
 - Use of Switched Resistive Attenuator Pads Ensures High Linearity and True DC Coupled Operation
- 41-182 10MHz To 6GHz Programmable Attenuator
 - 0 to 31.75dB in 0.25dB Steps
 - Triple or Hex Versions in One PXI Slot
 - Solid State Switching For Long Service Life



41-180 DC To 3GHz Programmable Attenuator



41-182 10MHz To 6GHz Programmable Attenuator



PXI Chassis

8 and 19 slot high performance PXI compliant chassis, available with remote health monitoring.



40-922 8-Slot PXI Modular Chassis



40-923A 19-Slot PXI Modular Chassis



LXI Modular Chassis

For applications requiring a mix of RF and Microwave switching functions and the convenience of an Ethernet interface in the same 4U chassis, look no further than Pickering Interfaces' LXI modular platforms. These can accept any of our PXI RF/Microwave switches and attenuators.





60-102 7-Slot LXI Modular Chassis



60-103 18-Slot LXI Modular Chassis

RF & Microwave Matrices						
Module Maximum Configuration Size		Minimum Size	Impedance	Maximum Frequency	Product Code	
Dual Video Matrix	Dual 24x8	Single 24x8	75Ω	25MHz	60-711	
Dual HF Matrix	Dual 24x8	Single 24x8	50Ω	50MHz	60-760	
Wideband Matrix	Single 104x16	Single 8x8	50Ω	500MHz	65-110 NEW	
1GHz RF Matrix	Single 32x16	Single 16x16		1.5GHz	60-730	
	Single 32x8	Single 8x8	75Ω		60-731	
	Single 32x4	Single 8x4			60-732	
	Single 32x16	Single 16x16		2.4GHz	60-770	
2.4GHz RF Matrix	Single 32x8	Single 8x8	50Ω		60-771	
	Single 32x4	Single 8x4			60-772	
Microwave Matrix	Dual 4x4	Single 3x3	F00	10GHz	60-750	
	Single 4x4	Single 3x3	50Ω	20GHz	60-751	



60-730/731/732 1GHz 75Ω Matrix



60-770/771/772 2.4GHz 50Ω Matrix



65-110 Wideband Modular Matrix



60-750/751 10/20GHz 50Ω Matrix

RF & Microwave Multiplexers						
Module Configuration	Maximum Size	Minimum Size	Impedance	Maximum Frequency	Connector	Product Code
Video Multiplexer	72 Channel	24 Channel	75Ω	1GHz	F-Type	60-721
High Isolation Multiplexer	Dual 12 Channel	Single 12 Channel	75Ω	1GHz	F-Type	60-722
Microwave Multiplexer	16 x 6 Channel	4 x 6 Channel	50Ω	40GHz	SMA	60-800
	16 x 6 Channel	4 x 6 Channel	75Ω	2.5GHz	DIN 1.6/5.6	60-820



 $\label{eq:continuous} \textbf{60-800/820} \\ 50\Omega/75\Omega \text{ Microwave Multiplexer}$



60-721High Performance
Video Multiplexer



60-722 High Isolation 1GHz 75Ω Multiplexer

Software

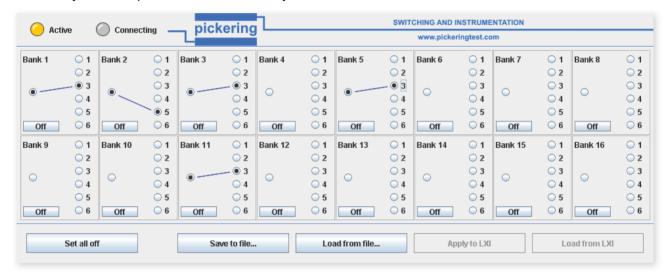
Development flexibility

With a huge of range of switching solutions based on "plug and play" and Ethernet based modules, our PXI and LXI products are an ultimate deployment platform for the automated test systems. Pickering provides the open software development interfaces allowing freedom to create different test scenarios using a wide range of development environments as follows:

- Microsoft® Visual Studio (C/C++, C# and Visual Basic)
- LabVIEW™, LabWindows/CVI, SwitchExecutive and Test Stand from NI
- Agilent VEE
- Geotest ATEasy

Using our optimized System-level Utilities

To enhance development and debugging of automated tests, Pickering provides Soft Front Panels (SFPs) and diagnostic tools with all of our products. Our SFPs help users control the module in a more simple and intuitive way. SFPs for LXI can also be accessed through the web browser to provide manual configuration, to verify connectivity and to explore module functionality.

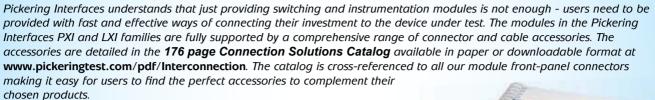


Simplifying Software Solutions

Pickering provides different driver sets based on comprehensive IVI, VISA and DLL (Direct I/O) drivers which are compatible with Windows XP/Vista/7 and Linux based operating systems. Each driver supports our entire PXI switch card range hence simplifying software solutions. Most drivers are also compatible with Real-Time operating systems such as LabVIEW RT.

All drivers are provided with extensive documentation and examples to help you develop test routines with ease, and you can use the software of your choice.

Accessories





Further Information

Pickering Interfaces has a variety of comprehensive information to assist you in the selection and design of your PXI based tester. To obtain your copy please visit the Catalog section of our web site or call your local Pickering Interfaces sales office.

PXImate is a 160 page publication which looks in detail

at the PXI standard and offers guidelines to help efficiently build a PXI-based test system. The latest edition features a chapter on PXI Express as well as information on the new LXI standard. Download your free electronic copy at:

www.pickeringtest.com/pdf/pximate

Want to Know more about LXI?
Get your free copy of the **LXImate**by registering at

www.pickeringtest.com/lximate





LXI Product Guide
Comprehensive Short Form
Catalog Listing Pickering's
LXI Module range

"PXI Module Map"
A simple foldout selection
guide to all of Pickering's
500+ PXI Modules.



large range of PXI Modules

详细资料?请通过sales@hkaco.com联系我们。

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