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NI PXI-2796

40 GHz Dual 6x1 Multiplexer (SP6T)

- 40 GHz performance (typical): <0.8 dB insertion loss; VSWR <1.6; isolation >58 dB
- 18 W maximum RF carry power
- 50 ohm characteristic impedance
- Onboard relay count tracking
- Ability to store RF path calibration information with NI Switch Executive



Overview

The NI PXI-2796 is a dual 6x1 multiplexer switch module for routing RF or microwave signals in automated test applications. Designed to operate with less than 1 dB insertion loss up to 40 GHz, the PXI-2796 appears almost invisible to signals at much lower frequencies as well. It offers a high-density, unterminated multiplexer option with dual 6x1 multiplexer banks in the same module. The PXI-2796 also is well-suited for passing high-order harmonics from RF upconverters such as the NI PXIe-5673 6.6 GHz RF vector signal generator or routing multiple sources to RF downconverters such as the NI PXIe-5663 6.6 GHz RF vector signal analyzer.

Specifications

Specifications Documents

- Specifications

Specifications Summary

General	
Product Family	Switches
Form Factor	PXI Platform
PXI Bus Type	PXI Hybrid Compatible
Part Number	782356-01
Length	21.6 cm
Width	4.1 cm
Height	13 cm
Product Name	PXI-2796

Switches

Switch Type	Multiplexer , RF
Max Switching Current	0.89 Arms
Maximum Switching Power	18 W
Bandwidth	40 GHz
Relay Type	Electromechanical
Relay Count Tracking	Yes
Product Certifications	UL - Product Safety , CE
VSWR Ratio	1.6
Isolation (Typical)	60 dB
Insertion Loss (Typical)	0.8 dB
Terminated	No
Characteristic Impedance	50 Ohm

Pricing

Part Number	Description	Est Ship	US Dollars*	Qty
NI PXI-2796				
782356-01	NI PXI-2796 40 GHz Dual 6x1 Multiplexer (SP6T)	Call	\$ 6,380.00	0

* You have selected Egypt as the country where you will use the product(s). Pricing may have changed since you printed this document on 01/10/2013. Please visit ni.com to see current pricing.

Place Order or Obtain Quote

Order Online or by Fax

- 1 . Navigate to ni.com/products and select "Order by Part Number" found under the "Business Center" section.
- 2 . Once you have added your items to your cart, see the "Your Cart Options" section to place your order, obtain a quote, or print a fax form.

Order by Phone

Call +20-10-400 1649 to place your order or obtain a quote.

Services

System Assurance Programs

Reduce your setup time and total cost of ownership, and get a system you can use out of the box with National Instruments system assurance programs. System assurance programs include:

- Installation and integration test of all individual hardware
- Courtesy installation of system driver sets and application development environments
- Extended warranty and calibration coverage for up to five years
- Custom documentation plus a custom restore and startup utility

This service is only available for PXI, NI CompactRIO, and NI Compact FieldPoint systems.

- Learn More about System Configuration and Deployment Services [<http://www.ni.com/services/configuration.htm>]

- [Customize Your CompactRIO System](http://ohm.ni.com/advisors/crio) [http://ohm.ni.com/advisors/crio]
- [Customize Your Compact FieldPoint System](http://ohm.ni.com/advisors/cfp) [http://ohm.ni.com/advisors/cfp]
- [Customize Your PXI System](http://ohm.ni.com/advisors/pxi) [http://ohm.ni.com/advisors/pxi]
- [Talk to an Expert about Custom System Configurations](#) [javascript:openCallMeWindowCTA(document.referrer,%20'US')]

Extended Warranties

National Instruments designs and manufactures all products to minimize failures, however unexpected failures can still occur. Extended warranties provide a fixed economical price at the time of system purchase, covering any repair costs for up to three years. In addition, they offer the following benefits:

- Significant cost savings compared to individual repair incidents
- Fault location, diagnostics, and repair by NI any time the system product fails
- All parts and labor costs covered as well as any adjustments needed to restore the hardware to manufacturing specifications

For more information about your warranty options:

- [Learn More about Warranty Services](http://www.ni.com/services/warranty.htm) [http://www.ni.com/services/warranty.htm]
- [Talk to an Expert about Extended Warranties](#) [javascript:openCallMeWindowCTA(document.referrer,%20'US')]
- [View Warranty Repair Policies](http://www.ni.com/services/warranty_repair_policies.htm) [http://www.ni.com/services/warranty_repair_policies.htm]

Calibration

NI recognizes the need to maintain properly calibrated devices for high-accuracy measurements. NI provides manual calibration procedures, services to recalibrate your products, and automated calibration software to calibrate many NI measurement products.

- [Learn More about Calibration Services](http://www.ni.com/services/calibration.htm) [http://www.ni.com/services/calibration.htm]

Training

NI training is the fastest, most certain route to productivity with NI tools and successful application development.

- [Learn More about NI Training and Certification](http://www.ni.com/training/) [http://www.ni.com/training/]
- [Find a Course Near You and View Schedules](http://sine.ni.com/tacs/app/fp/p/ap/ov/pg/1/) [http://sine.ni.com/tacs/app/fp/p/ap/ov/pg/1/]

Repair Services

Return your registered product under warranty at no additional labor and parts cost. NI offers fault location, diagnostics, and repair any time the system fails as well as any adjustments needed to restore the hardware to manufacturing specifications.

- [Learn More about Repair Services](http://www.ni.com/services/warranty.htm) [http://www.ni.com/services/warranty.htm]
- [Contact NI to Obtain a Return Material Authorization \(RMA\) Form and Shipping Instructions](http://sine.ni.com/apps/utf8/nicc.call_me) [http://sine.ni.com/apps/utf8/nicc.call_me]
- [View Your RMA Support Request Status Online](http://www.ni.com/support/servicereq/) [http://www.ni.com/support/servicereq/]
- [Register Your Product](http://www.ni.com/register) [http://www.ni.com/register]

Technical Support

[ni.com/support](http://www.ni.com/support/) [http://www.ni.com/support/]

Resources

Additional Product Information

- [Manuals \(5\)](#)
- [Dimensional Drawings](#)

Related Information

- [Browse and Compare NI Switches](#)
- [NI Switch Executive Switch Management Software](#)
- [Essential Technologies for RF and Communications Test](#)

