



Mini-Circuits

RACK-MOUNTED

# Adapter Patch Panel

ZT-226

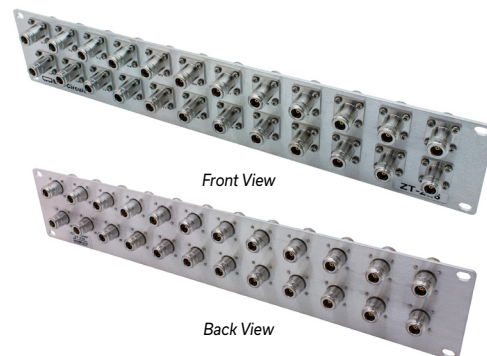
50  $\Omega$  DC to 11 GHz 24 x N-type Female

## THE BIG DEAL

- Rack-mounted connector patch panel
- 24 x N-type adapters in 2U rack space
- Excellent return loss
- Flat frequency response

## APPLICATIONS

- Production test setups
- Simplification of cable runs
- Interconnection of RF cables & equipment



Generic photo used for illustration purposes only

## PRODUCT OVERVIEW

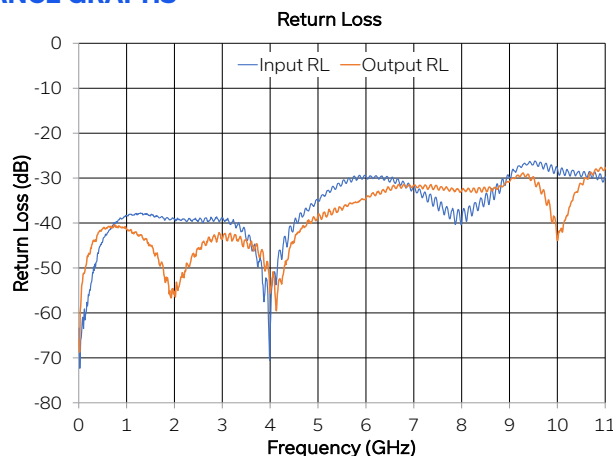
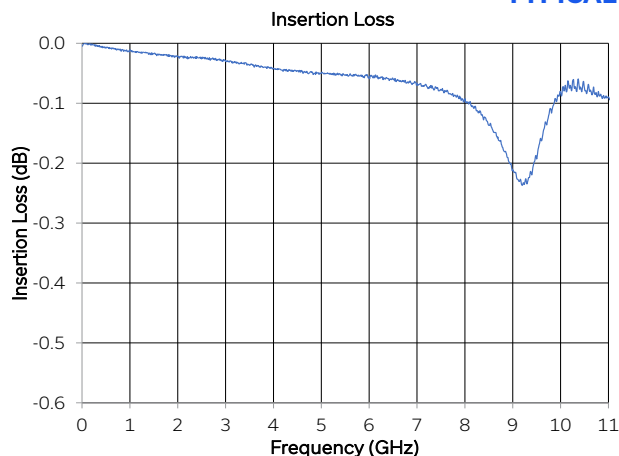
Mini-Circuits panel-mounted structures provide clean, organized management of cable runs and connections in complex, high volume test setups. Multiple connector adapters, power splitters, directional couplers and other essential RF components and test accessories can be integrated efficiently within the test system. Custom configurations are available upon request.

ZT-226 integrates 24 wideband adapters on to a compact panel requiring only 2U of rack space, with N-type female connectors on the front and rear.

## ELECTRICAL SPECIFICATIONS AT +25°C (EACH ADAPTER)

Parameter	Conditions	Min.	Typ.	Max.	Units
Frequency Range		DC		11	GHz
Insertion Loss	DC - 6 GHz		0.10	0.20	dB
	6 - 11 GHz		0.15	0.30	
Return Loss	DC - 6 GHz		35		dB
	6 - 11 GHz		30		

## TYPICAL PERFORMANCE GRAPHS





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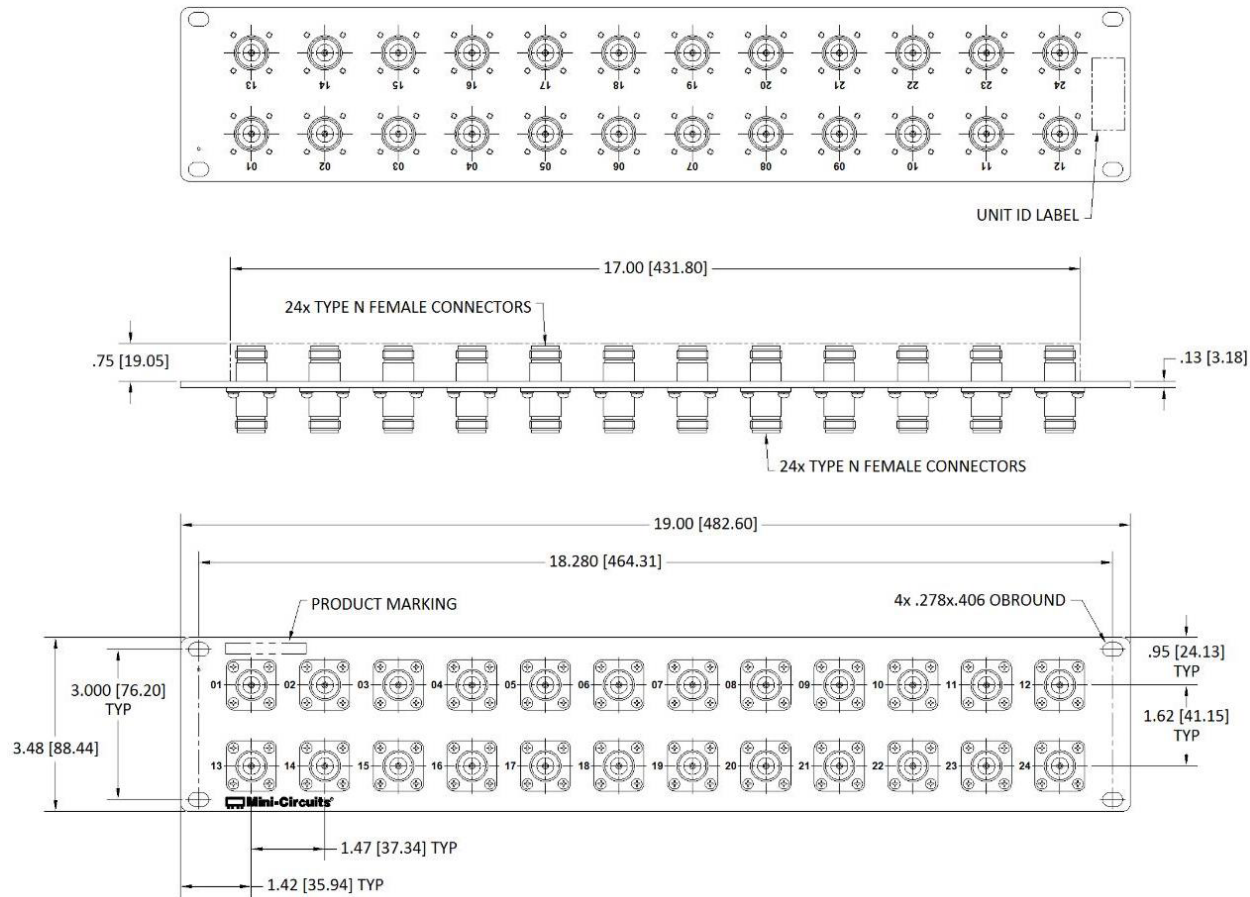
# Adapter Patch Panel

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50  $\Omega$  DC to 11 GHz 24 x N-type Female

## CASE STYLE DRAWING



Weight: 1700 grams.

Dimensions are in inches [mm]. Tolerances: 2 Pl.  $\pm 0.03$  inch; 3 Pl.  $\pm 0.015$  inch.

## PRODUCT MARKING

Product Marking: ZT-226

Unit ID Label: Serial number and other identification marks

Marking may contain other features or characters for internal lot control

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# Adapter Patch Panel

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## ABSOLUTE MAXIMUM RATINGS

Parameter	Conditions	Limits	Units
Temperature	Operating	0 to +50	$^{\circ}\text{C}$
	Storage	-20 to +60	

Permanent damage may occur if any of these limits are exceeded. Operating in the range between operating power limits and absolute maximum ratings for extended periods of time may result in reduced life and reliability.

## CONNECTIONS

Port	Connector
01-24 (front & rear)	N-type female

DETAILED MODEL INFORMATION IS AVAILABLE ON OUR WEBSITE [CLICK HERE](#)

Case Style	YF2296
Environmental Rating	ENV55
Regulatory Compliance	<div>Refer to our website for compliance methodologies and qualifications  </div> <a href="http://www.minicircuits.com/quality/environmental_introduction.html">www.minicircuits.com/quality/environmental_introduction.html</a>

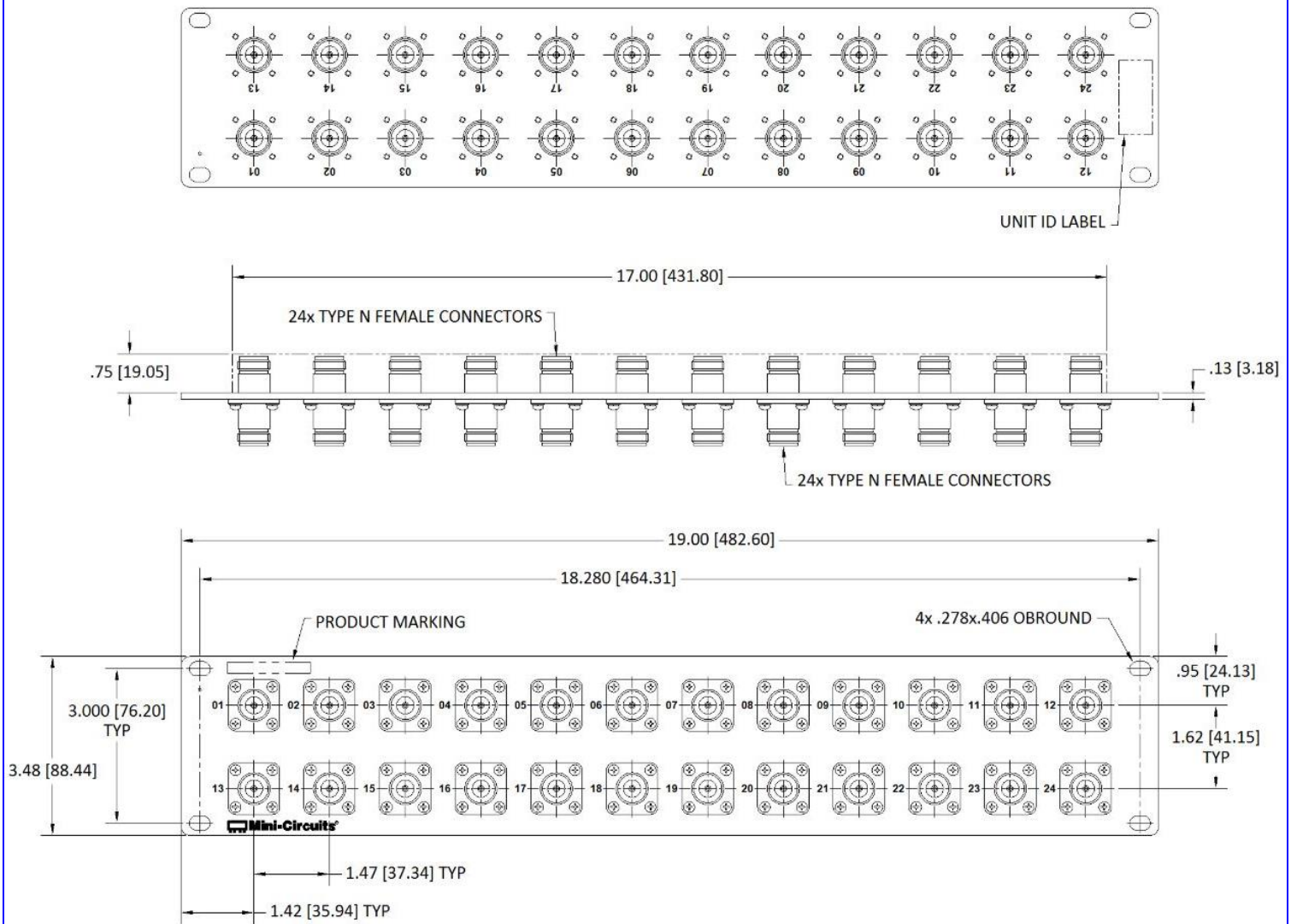
Contact Us: [testsolutions@minicircuits.com](mailto:testsolutions@minicircuits.com)

## NOTES

- Performance and quality attributes and conditions not expressly stated in this specification document are intended to be excluded and do not form a part of this specification document.
- Electrical specifications and performance data contained in this specification document are based on Mini-Circuit's applicable established test performance criteria and measurement instructions.
- The parts covered by this specification document are subject to Mini-Circuits standard limited warranty and terms and conditions (collectively, "Standard Terms"); Purchasers of this part are entitled to the rights and benefits contained therein. For a full statement of the standard. Terms and the exclusive rights and remedies thereunder, please visit Mini-Circuits' website at [www.minicircuits.com/MCLStore/terms.jsp](http://www.minicircuits.com/MCLStore/terms.jsp)

## Outline Dimensions

YF2296



### Notes:

1. Case material: Aluminum (with protective coating to prevent corrosion).
2. Dimensions are in inches (mm). Tolerances: 2 Pl.  $\pm .03$  inch; 3 Pl.  $\pm .015$  inch.
3. Weight: 1700 grams.
4. Marking may contain other features or characters for internal lot control.



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Mini-Circuits ISO 9001 & ISO 14001 Certified



## Environmental Specifications ENV55

All Mini-Circuits products are manufactured under exacting quality assurance and control standards, and are capable of meeting published specifications after being subjected to any or all of the following physical and environmental test.

Specification	Test/Inspection Condition	Reference/Spec
Operating Temperature	-0° to 50° C Ambient Environment	Individual Model Data Sheet
Storage Temperature	-20° to 60° C Ambient Environment	Individual Model Data Sheet
Operating and Storage Humidity	5% to 85% RH (non-condensing)	Ambient
Bench Handling Test	Bench Top Tip 45° & Drop	MIL-PRF-28800F
Transit Drop Test	Free Fall Drop, 20 cm (7.9 inches)	MIL-PRF-28800F Class 3