

RACK-MOUNTED

# Adapter Patch Panel ZT-96KFFL-KF50+

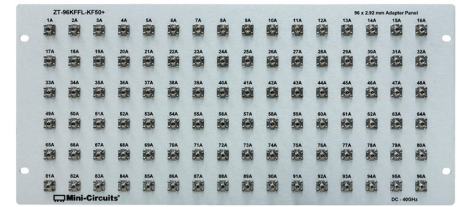
50Ω DC to 40 GHz 2.92mm Female

## THE BIG DEAL

- Convenient panel-mounted design
- Excellent VSWR
- Flat frequency response

## APPLICATIONS

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



Generic photo used for illustration purposes only

Model No.	ZT-96KFFL-KF50+
Case Style	YF2661
Connectors	2.92mm Female

### RoHS Compliant

See our website for RoHS Compliance methodologies and qualifications

## 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-96KFFL-KF50+ is a 5U height patch panel incorporating 96 high quality connector adapters, with 2.92 mm female connectors on the front and rear of the panel.

## ELECTRICAL SPECIFICATIONS AT 25°C

Parameter	Frequency (GHz)	Min.	Typ.	Max.	Unit
Frequency	-	DC	-	40	GHz
Insertion Loss	DC – 40	-	0.15	0.6	dB
VSWR	DC – 40	-	-	1.15	:1

## MECHANICAL & ENVIRONMENTAL SPECIFICATIONS

Dimensions	19" (W) x 5U (H)			
Case Style	YF2661			
Case Material	Aluminum (with protective coating to prevent corrosion)			
RF Connectors	Face	Connector	Quantity	Port Labels
	Front	2.92mm Female	96	1A-96A
	Rear	2.92mm Female	96	1B-96B
Panel Marking	Front Panel	Rear Panel		
	ZT-96KFFL-KF50+ 96 x 2.92 mm Adapter Panel DC-40 GHz	<ul style="list-style-type: none"><li>• CE / EAC / UKCA</li><li>• Serial number / date code / model name</li></ul>		
Panel Items	<ul style="list-style-type: none"><li>• Carry handles</li></ul>			
Temperature	Operating: 0 to +50 °C			

REV. B  
ECO-017641  
ZT-96KFFL-KF50+  
MCL NY  
230509





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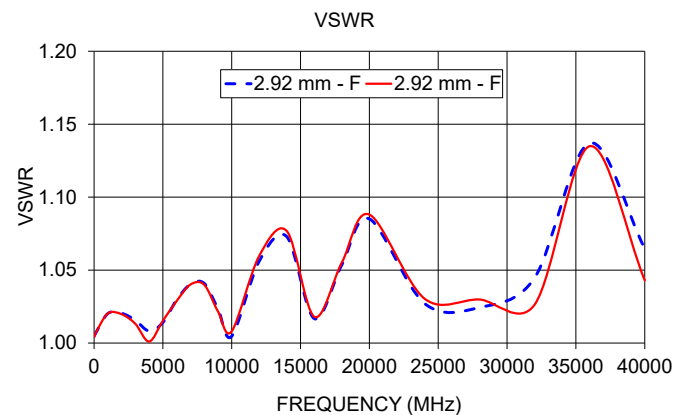
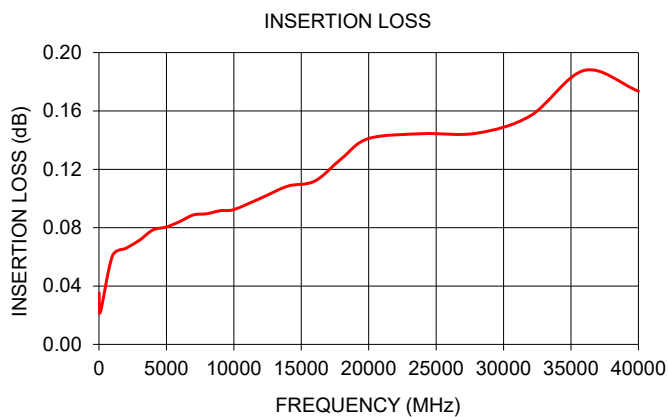
# Adapter Patch Panel **ZT-96KFFL-KF50+**

Mini-Circuits

50Ω DC to 40 GHz 2.92mm Female

## TYPICAL PERFORMANCE CURVES

Frequency (MHz)	Insertion Loss (dB)	VSWR (:1)	
		2.92mm Female	2.92mm Female
10	0.04	1.00	1.00
100	0.02	1.01	1.01
1000	0.06	1.02	1.02
2000	0.07	1.02	1.02
3000	0.07	1.02	1.01
4000	0.08	1.01	1.00
5000	0.08	1.01	1.02
6000	0.08	1.03	1.03
7000	0.09	1.04	1.04
8000	0.09	1.04	1.04
9000	0.09	1.02	1.02
10000	0.09	1.00	1.01
12000	0.10	1.06	1.06
14000	0.11	1.07	1.08
16000	0.11	1.02	1.02
18000	0.13	1.05	1.06
20000	0.14	1.09	1.09
24000	0.14	1.03	1.03
28000	0.14	1.02	1.03
32000	0.16	1.04	1.03
36000	0.19	1.14	1.13
40000	0.17	1.06	1.04





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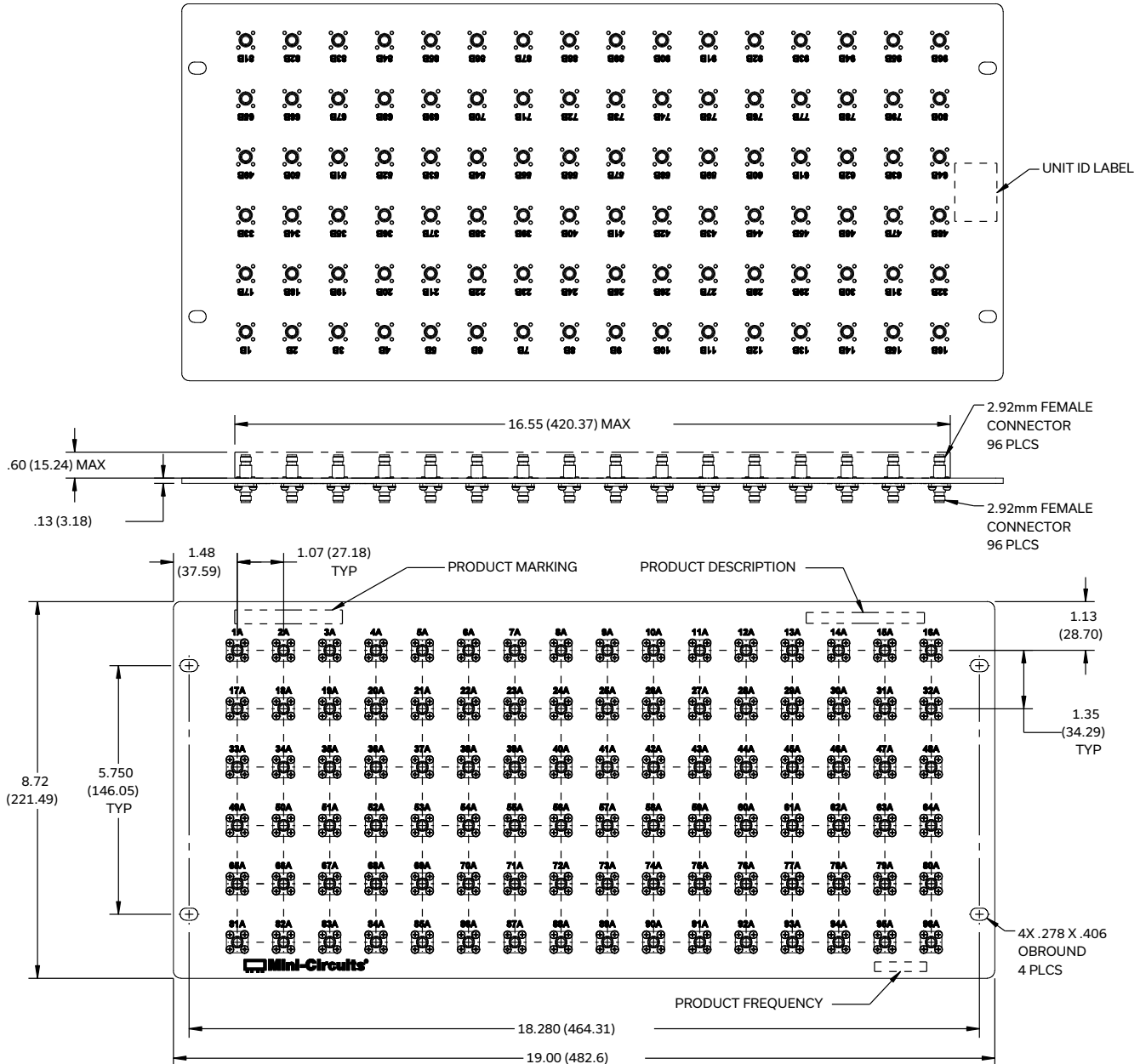
# Adapter Patch Panel

ZT-96KFFL-KF50+

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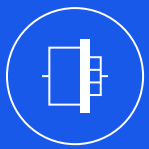
50Ω DC to 40 GHz 2.92mm Female

## OUTLINE DRAWING



1. Case material: Aluminum (with protective coating to prevent corrosion).
2. Dimensions are in inches (mm). Tolerances: 2 Pl.±.03 inch; 3 Pl.±.015 inch.
3. Weight: 1560 grams.
4. Marking may contain other features or characters for internal lot control.

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# Adapter Patch Panel **ZT-96KFFL-KF50+**

50Ω DC to 40 GHz 2.92mm Female

## ORDERING INFORMATION

To learn more, click here: [ZT-96KFFL-KF50+](#)

Model	Description
ZT-96KFFL-KF50+	96 x 2.92 mm Female to Female Adapter Patch Panel

Included Accessories	Part No.	Description
	HT-4-SMA	SMA Cable Wrench (4 in)

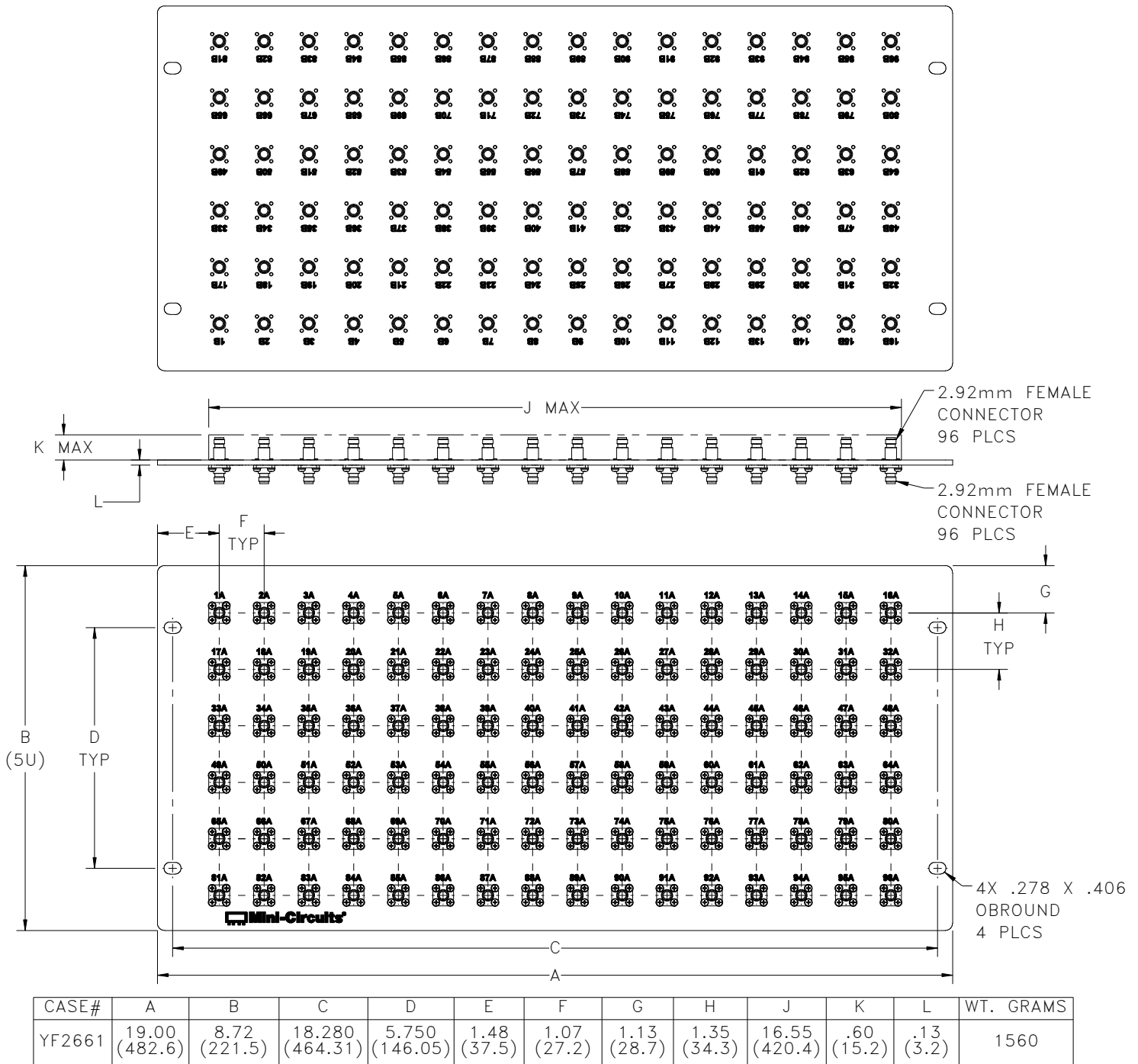
## NOTES

- 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/terms/viewterm.html](http://www.minicircuits.com/terms/viewterm.html)



## Outline Dimensions

YF2661



Dimensions are in inches (mm). Tolerances: 2 Pl.  $\pm .03$ ; 3 Pl.  $\pm .015$

### Notes:

1. Case material: Aluminum alloy.
2. Finish: For Case- Clear Chemical conversion coating.

**Mini-Circuits®**  
ISO 9001 ISO 14001 CERTIFIED

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[minicircuits.com](http://minicircuits.com)

P.O. Box 350166, Brooklyn, New York 11235-0003 (718) 934-4500 Fax (718) 332-4661 For detailed performance specs & shopping online see Mini-Circuits web site



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RF/IF MICROWAVE COMPONENTS



## 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