

RACK-MOUNTED

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

Mini-Circuits

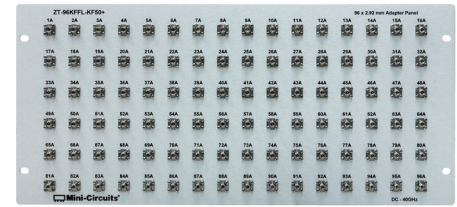
50Ω DC to 40 GHz 2.92mm Female

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	• CE / EAC / UKCA • Serial number / date code / model name		
Panel Items	• Carry handles			
Temperature	Operating: 0 to +50 °C			

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





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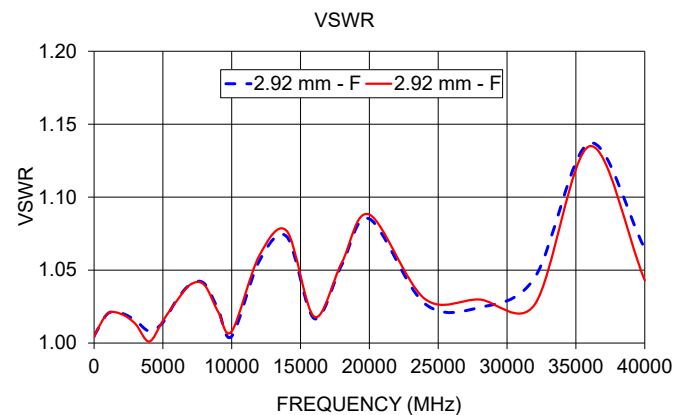
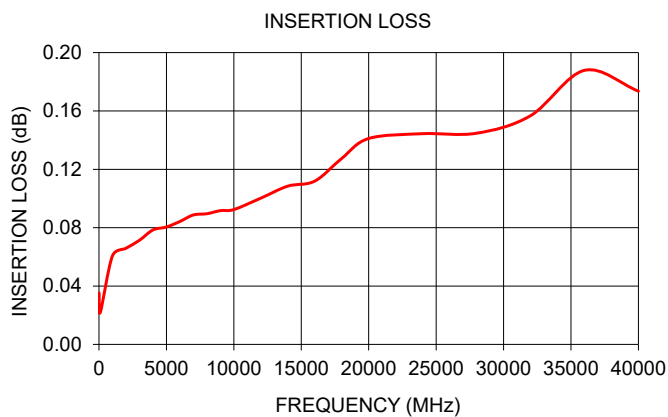
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TYPICAL PERFORMANCE CURVES

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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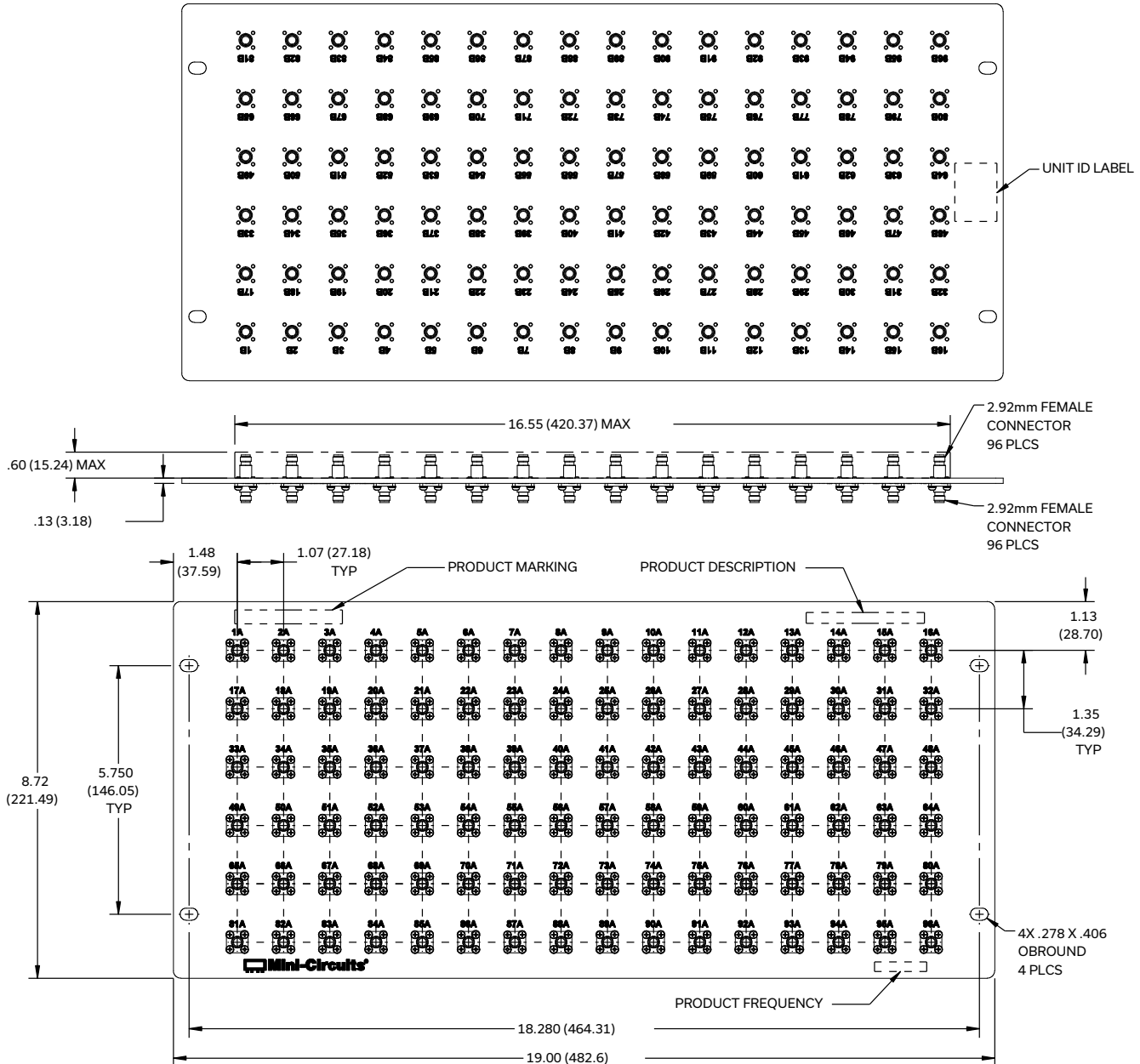
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OUTLINE DRAWING



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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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

