RACK-MOUNTED

SMA Adapter Patch Panel

ZT-346

50Ω DC to 18 GHz

THE BIG DEAL

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

CASE STYLE: YF3183

RoHS Compliant
See our website for RoHS Compliance methodologies and qualifications

APPLICATIONS

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

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-346 is a 1U height patch panel incorporating 12 high quality connector adaptors, with SMA female connectors on the front and rear of the panel.

ELECTRICAL SPECIFICATIONS AT 25°C

Parameter	Frequency (GHz)	Min.	Typ.	Max.	Unit
Frequency	-	DC	-	18	GHz
Insertion Loss	DC – 18	-	0.1	-	dB
VSWR	DC – 18	-	-	1.15	:1

MECHANICAL & ENVIRONMENTAL SPECIFICATIONS

Dimensions	19" (W) x 1U (H)			
Case Style	YF3183			
Case Material	Aluminum (with protective coating to prevent corrosion)			
RF Connectors	**Face**	**Connector**	**Quantity**	**Port Labels**
	Front	SMA female	12	01-12
	Rear	SMA female	12	None
Panel Marking	**Front Panel**	**Rear Panel**		
	• ZT-346	• CE / EAC / UKCA • Serial number / date code / model name		
Panel Items	• Carry handles			
Temperature	Operating: 0 to +50 °C			

REV. A
ECO-013880
ZT-346
MCL NY
220623

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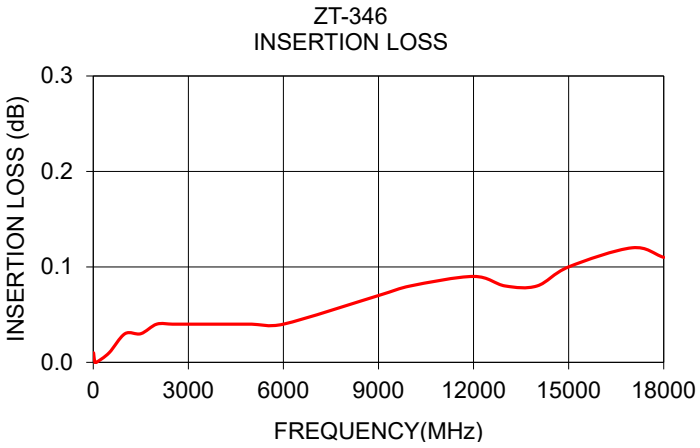
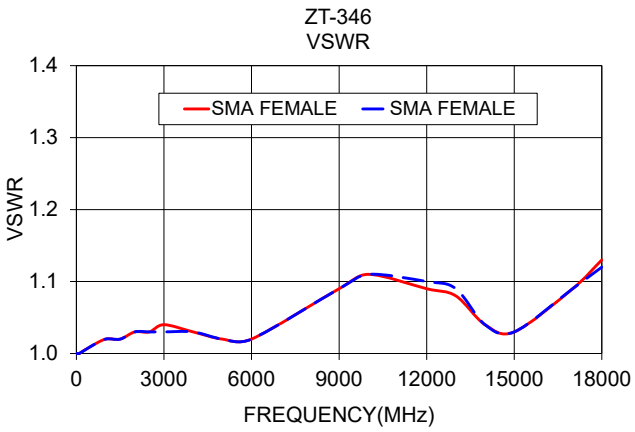
TYPICAL PERFORMANCE CURVES

Frequency (MHz)	Insertion Loss (dB)	VSWR (:1) SMA-FEM	VSWR (:1) SMA-FEM
10	0.01	1.00	1.00
50	0.00	1.00	1.00
100	0.00	1.00	1.00
500	0.01	1.01	1.01
1000	0.03	1.02	1.02
1500	0.03	1.02	1.02
2000	0.04	1.03	1.03
2500	0.04	1.03	1.03
3000	0.04	1.03	1.04
4000	0.04	1.03	1.03
5000	0.04	1.02	1.02
6000	0.04	1.02	1.02
9000	0.07	1.09	1.09
10000	0.08	1.11	1.11
12000	0.09	1.10	1.09
13000	0.08	1.09	1.08
14000	0.08	1.04	1.04
15000	0.10	1.03	1.03
17000	0.12	1.09	1.09
18000	0.11	1.12	1.13





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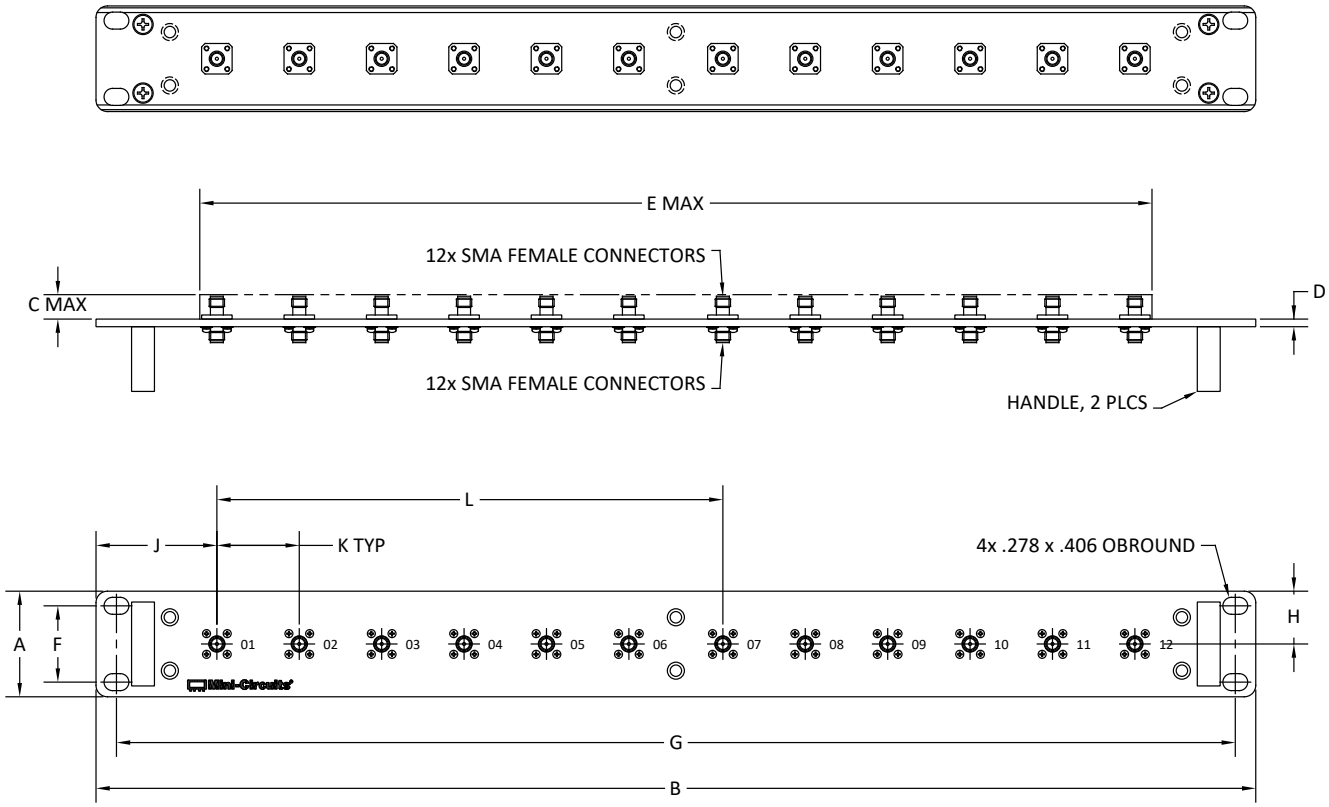
OUTLINE DRAWING



OUTLINE DIMENSIONS (Inch / mm)

A	B	C	D	E	F	G	H	J	K	L	wt
1.73	19.00	0.40	0.13	15.60	1.250	18.340	0.87	1.98	1.35	8.29	grams
43.9	482.6	10.2	3.30	396.24	31.8	465.8	22.10	50.3	34.3	210.6	240

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ORDERING INFORMATION

To learn more, click here: ZT-346

Model	Description
ZT-346	12 x SMA female to female patch panel

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

NOTES

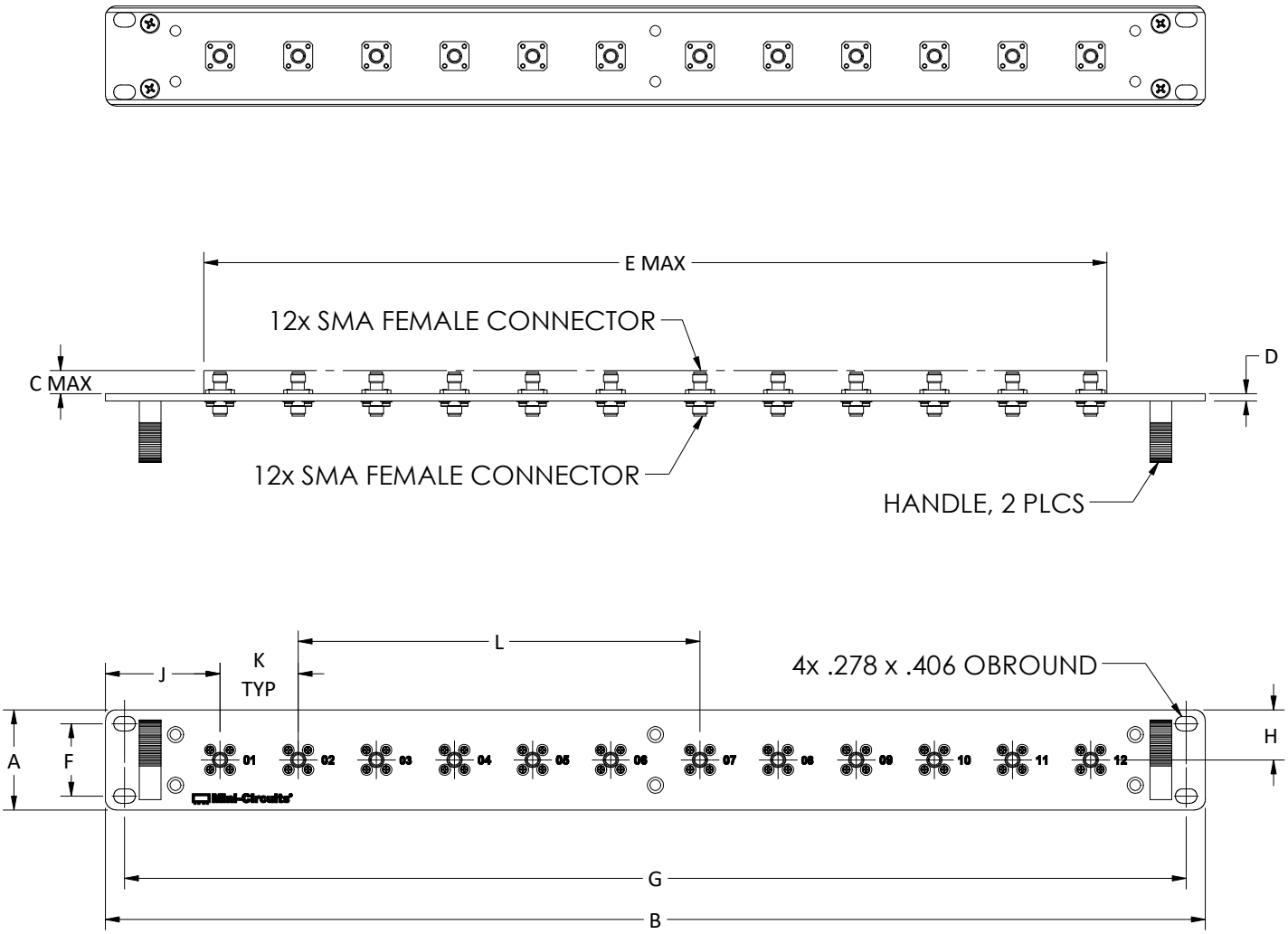
A. Performance and quality attributes and conditions not expressly stated in this specification document are intended to be excluded and do not form a part of this specification document.

B. Electrical specifications and performance data contained in this specification document are based on Mini-Circuit's applicable established test performance criteria and measurement instructions.

C. 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

Case Style YF

Outline Dimensions YF3183



CASE #	A	B	C	D	E	F	G	H	J	K	L	WT, GRAMS
YF3183	1.73	19.00	.40	.13	15.60	1.250	18.340	.87	1.98	1.35	8.29	240
	(43.9)	(482.6)	(10.2)	(3.3)	(396.2)	(31.75)	(465.84)	(22.1)	(50.3)	(34.3)	(210.6)	

Dimensions are in inches (mm) . Tolerances: 2 Pl. ±.1; 3 Pl. ±.015

Notes:

1. Case material: Aluminum alloy.
2. Finish: Clear chemical conversion coating

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RF/IF MICROWAVE COMPONENTS

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Mini-Circuits

Environmental Specifications **ENV56**

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 40° C Ambient Environment	Individual Model Data Sheet
Storage Temperature	-15° to 85° 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

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