

RACK-MOUNTED

Adapter Patch Panel

ZT-349

Mini-Circuits

50Ω DC to 6 GHz 4.3-10 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
- Cellular base-station testing



Generic photo used for illustration purposes only

| | |
|------------|---------------|
| Model No. | ZT-349 |
| Case Style | YF3210 |
| Connectors | 4.3-10 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-349 integrates 24 precision 4.3-10 connector adapters (female to female) on to a compact, 3U height panel.

ELECTRICAL SPECIFICATIONS AT 25°C

| Parameter | Frequency (GHz) | Min. | Typ. | Max. | Unit |
|----------------|-----------------|------|------|------|------|
| Frequency | | DC | - | 6 | GHz |
| Insertion Loss | DC – 6 | - | 0.1 | - | dB |
| VSWR | DC – 6 | - | - | 1.20 | :1 |

MECHANICAL & ENVIRONMENTAL SPECIFICATIONS

| | | | | |
|---------------|---|--|----------|-------------|
| Dimensions | 19" (W) x 3U (H) | | | |
| Case Style | YF3210 | | | |
| Case Material | Aluminum (with protective coating to prevent corrosion) | | | |
| RF Connectors | Face | Connector | Quantity | Port Labels |
| | Front | 4.3-10 female | 24 | 01-24 |
| | Rear | 4.3-10 female | 24 | 01-24 |
| Panel Marking | Front Panel | Rear Panel | | |
| | ZT-349 4.3-10 Patch Panel | <ul style="list-style-type: none">• CE / EAC / UKCA• Serial number / date code / model name | | |
| Panel Items | <ul style="list-style-type: none">• Carry handles | | | |
| Temperature | Operating: 0 to +50 °C | | | |

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TYPICAL PERFORMANCE CURVES





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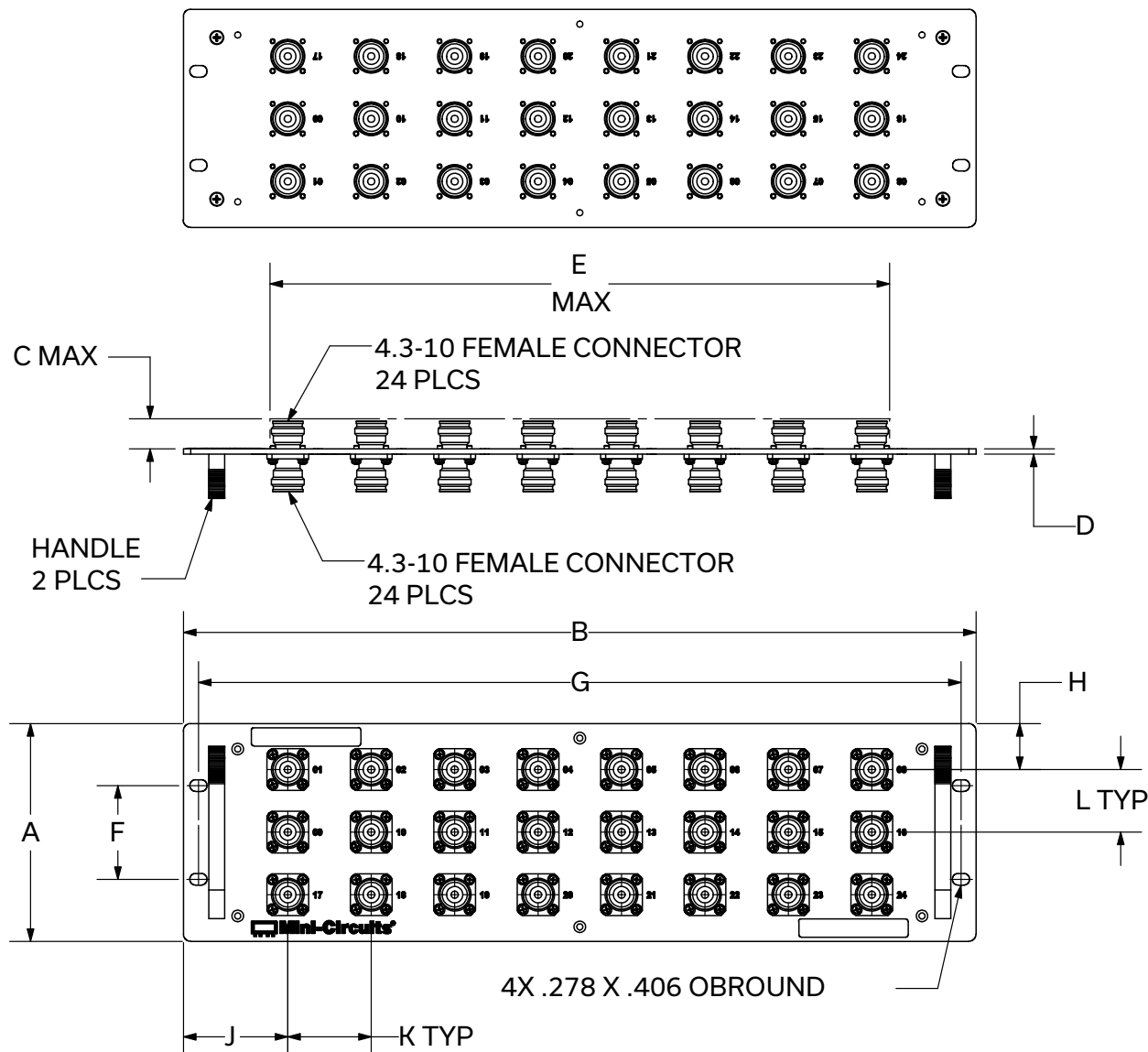
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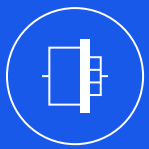
OUTLINE DRAWING



OUTLINE DIMENSIONS (Inch/mm)

| A | B | C | D | E | F | G | H | J | K | L | weight |
|-------|-------|------|------|-------|-------|--------|------|------|------|------|--------|
| 5.22 | 19.00 | 0.72 | 0.13 | 14.85 | 2.250 | 18.280 | 1.10 | 2.50 | 2.00 | 1.50 | grams |
| 132.6 | 482.6 | 18.3 | 3.3 | 377.2 | 57.15 | 464.31 | 27.9 | 63.5 | 50.8 | 38.1 | 1885 |

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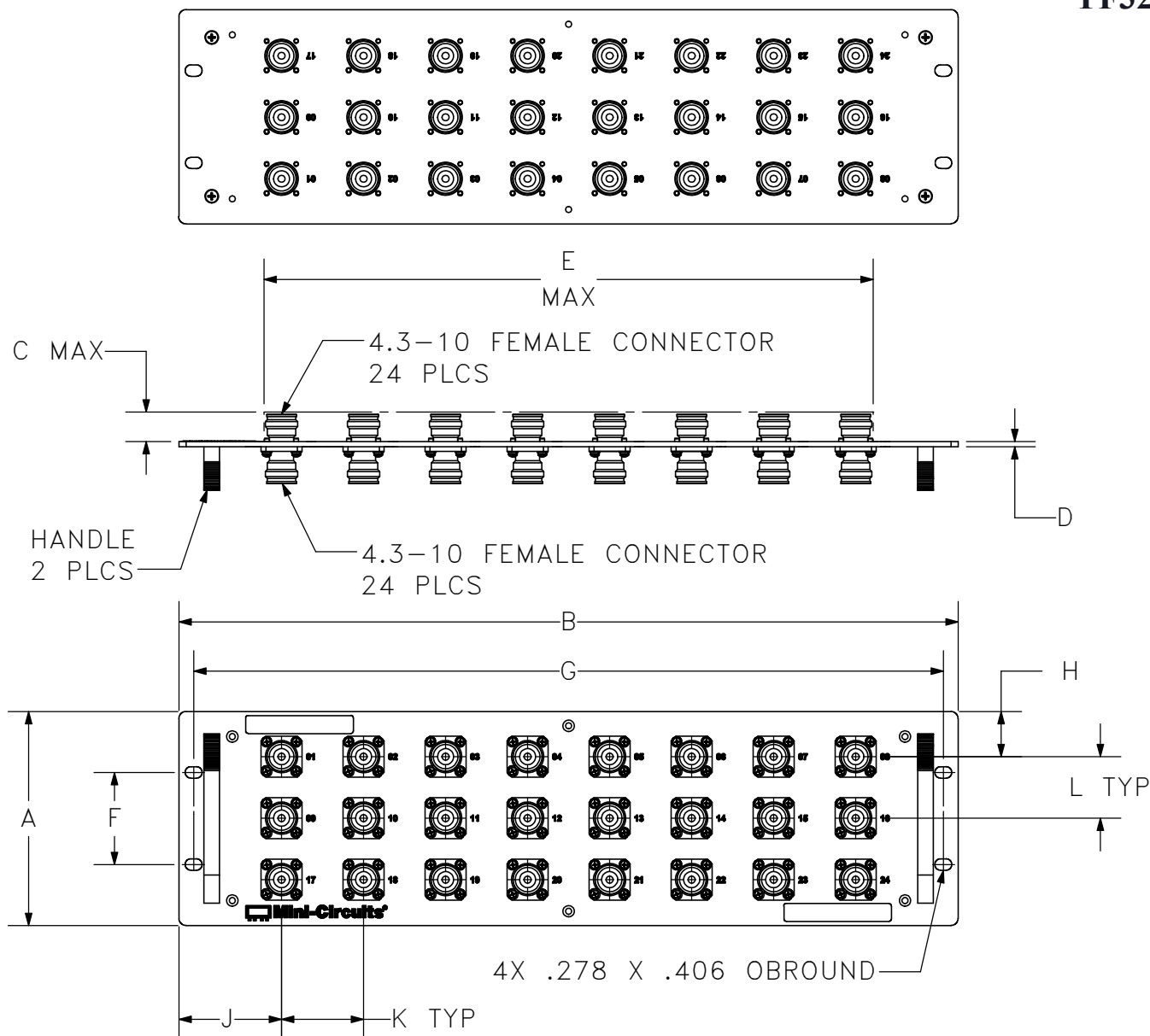
50Ω DC to 6 GHz 4.3-10 Female

ORDERING INFORMATIONTo learn more, click here: [ZT-349](#)

| Model | Description |
|--------|--|
| ZT-349 | 24 x 4.3-10 Female to Female Adapter Patch Panel |

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 # | A | B | C | D | E | F | G | H | J | K | L | WT, GRAMS |
|--------|---------|---------|--------|-------|---------|---------|----------|--------|--------|--------|--------|-----------|
| YF3210 | 5.22 | 19.00 | .72 | .13 | 14.85 | 2.250 | 18.280 | 1.10 | 2.50 | 2.00 | 1.50 | 1885 |
| | (132.6) | (482.6) | (18.3) | (3.3) | (377.2) | (57.15) | (464.31) | (27.9) | (63.5) | (50.8) | (38.1) | |

Dimensions are in inches (mm) . Tolerances: 2 Pl. $\pm .03$ (0.762) ; 3 Pl. $\pm .015$ (0.381) ;

Notes:

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

Mini-Circuits®
ISO 9001 ISO 14001 CERTIFIED

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The Design Engineers Search Engine Provides ACTUAL Data Instantly From MINI-CIRCUITS At: www.minicircuits.com

RF/IF MICROWAVE COMPONENTS



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 |