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Data Sheet

August 2, 2026

ASTRODYNE / RO

Astrodyne / RO MTCC-0311 Triple Output Power Supply

The Astrodyne / RO MTCC-0311 is a 30 W triple-output switching power supply designed for Information Technology Equipment (ITE) applications. This encapsulated, chassis-mount unit delivers three independent DC outputs from a universal input, making it suitable for systems requiring multiple voltage rails with modest current draw. The supply operates across 90–264 VAC input at 47–440 Hz, accommodating global utility standards and variable AC sources. Aumictech offers NIST-traceable calibration and repair for the Astrodyne / RO MTCC-0311. All calibrations are performed to NIST-traceable standards and ship with a certificate. Turnaround is typically 1–3 business days after receipt. This Astrodyne / RO MTCC-0311 is listed at . Calibration is available separately from . Contact us for volume pricing or if you need multiple units. NIST-traceable calibration for the Astrodyne / RO MT



MODEL

**Astrodyne / RO
MTCC-0311**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

MTCC-0311

LISTING

<https://aumictechlabs.com/products/mtcc-0311-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

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requiring multiple voltage rails with modest current draw. The supply operates across 90–264 VAC input at 47–440 Hz, accommodating global utility standards and variable AC sources.

Technical Specifications

Output Configuration

Output 1: 5.00 VDC @ 3.000 A

Output 2: 15.00 VDC @ 0.500 A

Output 3: –15.00 VDC @ 0.500 A

Total Power: 30 W

Input Specifications

Voltage Range: 90–264 VAC

Frequency Range: 47–440 Hz

Physical Characteristics

Form Factor: Encapsulated

Mounting: Chassis Mount

Dimensions: 136 × 65 × 25.4 mm

Weight: 0.60 kg

Environmental

Operating Temperature: 0°C to +50°C

Cooling: Convection

Compliance

Safety Standard: UL60950-1 2nd Edition

Key Features

Universal input voltage range spans 90–264 VAC for flexible deployment

Three isolated output rails support bipolar and single-supply designs

Convection cooling eliminates fan complexity and acoustic noise

Encapsulated construction provides mechanical protection and compact integration

Lightweight design (0.60 kg) reduces system mass

Typical Applications

Information Technology Equipment requiring multiple independent power rails, including networking appliances, telecommunications interfaces, industrial control modules, and embedded computing platforms requiring both positive and negative supply voltages.

Compatibility & Integration

Designed as a general-purpose ITE power source. Chassis-mount configuration integrates directly into equipment racks and enclosures via standard mounting points. Compatibility with specific systems of voltage and current requirements against the three available output rails.

Features & description

From manufacturer datasheet

Features

- Triple output: +5 V, +15 V, -15 V • 30 W MCA-30 series • Universal AC input 90-264 VAC • Chassis-mount encapsulated package • About 3000 VAC I/O isolation • About 80% efficiency • CE / cURus approvals class • Related: MTCA-0311 (PCB mount); MTCC-0309 (+5/+/-12 V)

MTCC0311 Characteristics / Specifications

PARAMETER	VALUE
Model	MTCC-0311
Manufacturer	Astrodyne TDI / RO
Instrument Type	Enclosed AC/DC triple-output switching power supply
Series	MCA-30 (30 W)
Input Voltage	90-264 VAC
Input Frequency	47-440 Hz (nominal 50-60 Hz)
Outputs	+5 V @ 3 A; +15 V @ 0.5 A; -15 V @ 0.5 A
Power	30 W
Isolation	3000 VAC input-output (series); additional ground isolations per MCA-30 sheet
Efficiency	about 80% typical
Operating Temperature	0 to 50 C
Mounting	Chassis mount
Size (distributor sheets)	about 4.76 × 2.56 × 1.00 in (120.9 × 65.0 x 25.4 mm) class
Approvals	CE, cURus; UL60950-1 2nd ed. class; 60601-1 / 60950-1 referenced
Applications Class	ITE (Commercial), Medical Standard Operating Conditions Provide convection cooling within rated ambient. Observe minimum load and derating guidance from the MCA-30 datasheet. Verify chassis bonding and isolation requirements for medical vs ITE use.
Triple output	+5 V, +15 V, -15 V
Related	MTCA-0311 (PCB mount); MTCC-0309 (+5/+/-12 V)

MTCC0311 Specifications

PARAMETER	VALUE
Key Features	- Triple output: +5 V, +15 V, -15 V
Technical Specifications	Model: MTCC-0311
Operational Notes	Confirm MTCC-0311 (chassis, +/-15 V) vs MTCC-0309 (+/-12 V) and PCB-mount MTCA-0311.

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	is typically 0 to 50 C with convection cooling.
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Applications Class	ITE (Commercial), Medical Standard Operating Conditions Provide convection cooling within rated ambient. Observe minimum load and derating guidance from the MCA-30 datasheet. Verify chassis bonding and isolation requirements for medical vs ITE use.

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications	
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Approvals	CE, cURus; UL60950-1 2nd ed. class; 60601-1 / 60950-1 referenced
Applications Class	ITE (Commercial), Medical
Standard Operating Conditions	
Provide convection cooling within rated ambient. Observe minimum load and derating guidance from the MCA-30 datasheet. Verify chassis bonding and isolation requirements for medical vs ITE use.	
Operational Notes	
Confirm MTCC-0311 (chassis, +/-15 V) vs MTCC-0309 (+/-12 V) and PCB-mount MTCA-0311.	

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.