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Data Sheet

August 2, 2026

ASTRODYNE / RO

Astrodyne / RO MSCC-0305 Single Output Power Supply

Astrodyne / RO DC Power Supplies. Voltage: ** 24V DC, Current: ** 1.25A, Frequency Range: ** 47-440 Hz.



MODEL

**Astrodyne / RO
MSCC-0305**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

MSCC-0305

LISTING

<https://aumictechlabs.com/products/mscc-0305-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Astrodyne / RO MSCC-0305 is a 30W ultraminiature modular switching power supply from the MCA-30 series, engineered for industrial and medical applications. This single-output unit delivers 24V DC at 1.25A with universal AC input accommodation across 90-264 VAC, 47-440 Hz, making it suitable for global installations. The encapsulated chassis-mount design measures 4.76" L × 2.56" W × 1.00" H and weighs 0.84 lbs, optimizing space in compact assemblies. Technical Specifications Output Power: 30W Output Voltage: 24V DC Output Current: 1.25A Input Voltage Range: 90-264 VAC Input Frequency Range: 47-440 Hz Efficiency: Approximately 80% Isolation Voltage: 3,000 VAC (input-to-output) On/Off Control: Open Collector; Logic "1"/Open = ON, Logic "0"/GND = OFF Operating Temperature: 0°C to 50°C Cooling: Convection Dimensions: 4.76" L × 2.56" W × 1.00" H (120.9 mm × 65.0 mm × 25.4 mm) Weight: 0.84 lbs Key Features Modular MCA-30 topology optimized for 30W switching applications 3,000 VAC isolation provides solid input-to-

output separation Open-collector control interface enables straightforward logic integration
Convection cooling eliminates fan dependencies in sealed environments Encapsulated form factor
withstands industrial environmental stresses Typical Applications Medical device power
distribution Industrial control and instrumentation Commercial information technology equipment
Systems requiring compact, isolated DC supplies Compatibility & Integration Certifications include
CE and cURus marks. Standard compliance encompasses IEC 60601-1 (medical) and IEC 60950-1
(IT safety), qualifying the unit for both healthcare and commercial deployment. The open-
collector control accepts TTL/CMOS-level logic signals for remote enable/disable operation.

Features & description

From manufacturer datasheet

Features

- Single output 24 VDC @ 1.25 A • 30 W MCA-30 series • Universal AC input 90-264 VAC • Chassis-mount encapsulated package • About 3000 VAC I/O isolation • UL60950-1 class approvals • Related: MSCA-0305 (PCB); MSCC-0301 (5 V); MSCC-0302 (12 V)

MSCC0305 Characteristics / Specifications

PARAMETER	VALUE
Model	MSCC-0305
Manufacturer	Astrodyne TDI / RO
Instrument Type	Enclosed AC/DC single-output switching power supply
Series	MCA-30 (30 W)
Input Voltage	90-264 VAC
Input Frequency	47-440 Hz
Output	24 VDC @ 1.25 A
Power	30 W
Isolation	3000 VAC input-output
Operating Temperature	0 to 50 C
Mounting	Chassis mount
Size	about 4.76 × 2.56 × 1.00 in (120.9 × 65.0 x 25.4 mm)
Approvals	UL60950-1 2nd ed.; ITE / Medical application class
Cooling	Convection Standard Operating Conditions Provide convection cooling within rated ambient. Observe MCA-30 derating guidance. Verify chassis bonding and isolation for medical vs ITE use. Operational Notes Confirm MSCC-0305 (24 V chassis) vs MSCC-0301 (5 V) and other MCA-30 single-output codes.
Related	MSCA-0305 (PCB); MSCC-0301 (5 V); MSCC-0302 (12 V)

MSCC0305 Specifications

PARAMETER	VALUE
Applications	ITE and medical equipment needing compact 24 V / 30 W chassis-mount power; embedded industrial supplies in the MCA-30 single-output family.
Key Features	- Single output 24 VDC @ 1.25 A
Technical Specifications	Model: MSCC-0305
Operational Notes	Confirm MSCC-0305 (24 V chassis) vs MSCC-0301 (5 V) and other MCA-30 single-output codes.

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	is typically 0 to 50 C with convection cooling. Approvals include UL60950-1 2nd ed. class with ITE and medical application references on distributor sheets. Related PCB-mount part is MSCA-0305; DIN-ra
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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

Specifications

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Cooling	Convection

Standard Operating Conditions

Provide convection cooling within rated ambient. Observe MCA-30 derating guidance. Verify chassis bonding and isolation for medical vs ITE use.

Operational Notes

Confirm MSCC-0305 (24 V chassis) vs MSCC-0301 (5 V) and other MCA-30 single-output codes.

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.