

OPTO 22

I/O MODULES STANDARD ANALOG OUTPUT

DATA SHEET

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Form 441-010201

Description

The voltage output analog module provides a single channel of optically-isolated digital-to-voltage conversion. The "T" module is transformer isolated which eliminates any ground loop problems. The modules are available in uni-polar and bi-polar versions. Modules plug into a Standard analog I/O rack and are secured by a captive screw.

Part Numbers	Description
DA4	0 To +5VDC Output
DA4T	0 To +5VDC Output Isolated
DA5	0 To +10VDC Output
DA6	-5 To +5VDC Output
DA7	-10 To +10VDC Output



Output Ranges by Module

	DA4	DA4T	DA5	DA6	DA7
Output Voltage	0 to 5 VDC	0 to 5 VDC	0 to 10 VDC	- 5 to + 5 VDC	- 10 to + 10 VDC
Accuracy	± 5 mV	± 5 mV	± 10 mV	± 10 mV	± 20 mV
Power Requirements	20 mA at +15 VDC 10 mA at -15 VDC	35 mA at +15 VDC 35 mA at -15 VDC	20 mA at +15 VDC 10 mA at -15 VDC	20 mA at +15 VDC 10 mA at -15 VDC	20 mA at +15 VDC 10 mA at -15 VDC

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Specifications GENERAL

Voltage Output Specifications

Output Current DA4, DA5, DA6, DA7 DA4T	70 mA 25 mA
Output Response Time	Full-scale step change in 3 ms
Resolution	12 bits
Isolation Output Input-to-Analog Supply	4,000 Vrms (Transient) 4,000 Vrms
Temperature Storage	0°C to 70°C - 25°C to 85°C

Connections

VOLTAGE OUTPUT CONNECTION DIAGRAM

