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Find the *VX Instruments AXL8702* at our website: ***Click HERE***

AXL8702
Flex Inductive Load



TECHNICAL DATA SHEET

PXI
VXI
LAN
cPCI
PXIe
GPIB
USB
RS232
485
external
PCIe

Features

- Programmable wide inductance range from 10 µH to 500 µH
- Saturation current of up to 400 A
- Very low resistance up to 30 mΩ at 500 µH
- Calibration via system interface

Product Information

The AXL8702 Flex Inductive Load ist designed for operation with the DTS8710 controllers. The inductance can be configured on the fly through the system interface of the controller between 10 µH and 500 µH. No additional power supply is required.

General	Specification	Comment
Operating temperature	0 ... 40°C	
Storage temperature	-25 ... 70°C	
Weight	≈25 kg	
Dimensions	19", 3U (W: 482mm, H: 134mm, D: 530mm)	

Saturation Current

The saturation current depends on the selected inductance. The AXL8702 is designed to support a maximum system energy of 4,000 mJ.

Acquisition	Specification	Comment
Maximum current	400 A	
Selectable preset values (µH)	10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 35, 40, 45, 50, 55, 60, 65, 70, 75, 80, 85, 90, 95, 100, 110, 120, 130, 140, 150, 160, 170, 180, 190, 200, 210, 220, 230, 240, 250, 260, 270, 280, 290, 300, 320, 340, 360, 380, 400, 420, 440, 460, 480, 500	Software selectable
Resistance	10 µH ... 500 µH <15 mΩ + 0.025 mΩ/(µH)	

Value	Accuracy	Value Increment
At 10 µH ... 30 µH	±1 µH ±1%	2 µH
At 35 µH ... 100 µH	±2.5 µH ±1%	5 µH
At 110 µH ... 300 µH	±5 µH ±1%	10 µH
At 320 µH ... 500 µH	±10 µH ±1%	20 µH

Notes: All product data are specified for 1 year at an ambient temperature of 23°C ±5°C (after 1 hour warm-up time).
Product specification and description in this document are subject to change without notice.

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