

APPLICATIONS

- > Current amplifier for magnetic actuators

KEY FEATURES

- > Magnetic actuator driver
- > Compact size

RELATED PRODUCT

- > MICA™



NON CONTRACTUAL PICTURE

SPECIFICATIONS

PARAMETER	TYPICAL VALUE	UNIT
> Input		
Control input voltage (Vin+ - Vin-)	-10 ... +10	V
Control input impedance	10	k Ω
> Output		
Output voltage	± 32	V
Continuous output current	± 0.5	A
Output current offset ⁽¹⁾	<5	mA
Maximum output load	Unlimited	H
Minimum output load	100	μ H
> External power supply		
DC main supply voltage	24	Vdc
DC Additional supply voltage	± 36	Vdc
> Power amplifier		
Max. continuous output apparent power ⁽²⁾	16	VA
> Gain		
Gain	0.05	A/V
Gain error	± 2	%
Gain linearity error	<0.1	%
> Dynamic performance		
Small signal bandwidth (-3dB)	5	kHz
> Protections		
Protections	Current limitation, Overtemperature indicator	
Overtemperature	75	$^{\circ}$ C

ANNOTATIONS

Guaranteed in labs environment

(1) At 0V input

(2) Sine waveforms

MISCELLANEOUS

PARAMETER	TYPICAL VALUE	UNIT
Mass	0.68	kg
Dimensions	143x104x80	mm3
Cooling	Natural convection	
Operating temperature range	0-40	°C

INTERFACES

- > **Control Input** 5414373-1 (TE Connectivity) BNC
- > **Power input connector 24Vdc** NEB 21 R (Lumberg)
- > **Power input connector Additional power supply** MC 1.5/ 3-G-3.81 (Phoenix Contact)
- > **Power output connector** 1881448 (Phoenix Contact)

INCLUDED ACCESSORIES

- > **Power input mating connector 24Vdc** NES/J 21 G (Lumberg)
- > **Power input mating connector Additional power supply** MC 1.5/3-ST-3.5 (Phoenix Contact)
- > **Power output mating connector** 1881325 (Phoenix Contact)

DRAWINGS

