

APPLICATIONS

- > Piezo actuator drive up to 2 channels for two states switching

KEY FEATURES

- > Preshaping solution for low actuator ringing
- > [-20 V;150 V] output voltage range
- > Fully protected piezo amplifier
- > Building block for multi channel configuration

RELATED PRODUCT

- > Fast Piezo Shutter
- > CTEC Powered benchtop case
- > CTEC Powered 19" subrack
- > SG75 sensors conditioners



NON CONTRACTUAL PICTURE

SPECIFICATIONS

PARAMETER	TYPICAL VALUE	UNIT
Number of channels	1..2	
> Input		
Control Input voltage	0 ... +5 TTL signal / CMOS	V
Control Input impedance	100	kΩ
> Output		
Output voltage	-20 ... +150	V
Transient peak output current ⁽¹⁾	±480	mA
Maximum output load	400	μF
> Dynamic performance		
Type of output signal excitation	Preshaping waveform	
> Noise performance		
Signal to Noise Ratio ⁽²⁾	85	dB
> Protections		
	Overcurrent, Overtemperature, Overvoltage	

ANNOTATIONS

Guaranteed in labs environnement

(1) Electronically limited

(2) Computed as RMS output signal / RMS output Noise floor. [1; 200]Hz

MISCELLANEOUS

PARAMETER	TYPICAL VALUE	UNIT
Mass	0.5	kg
Front face dimension	10F wide, 3U high	
Warm up time	15	min
Cooling	Forced convection	
Operating temperature range ⁽⁶⁾	0 ... 40	°C
Storage temperature range	-10 ... 50	°C

INTERFACES

Order input	BNC type	
Piezo actuator Output	LEMO EPL-00-250	

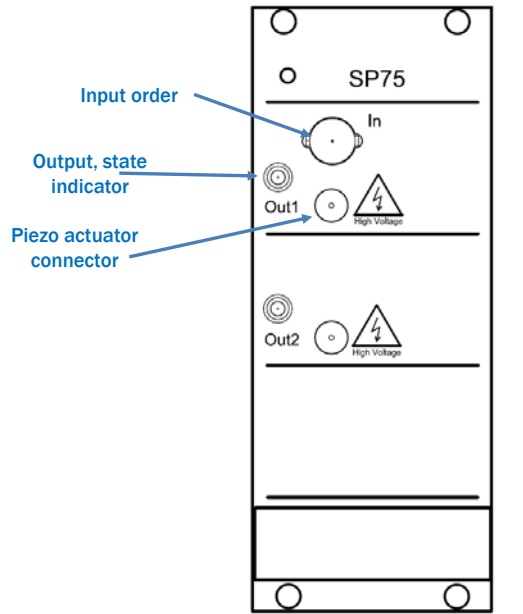
INCLUDED ACCESSORIES

Piezo actuator cable	Coax 1.5m - Lemo connector / subd9	
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OPTIONS

> RS422 communication	Capability to communicate the two states order with differential pairs	
Electrical signals	RS422 signal, general error, voltage validation, actuator position validation	
Electrical connector	Dsub 25 Female gender	
> SG75	Monitoring of the position See specific datasheet	
> Piezo cable	Specific length on request Please contact CTEC for more detail	
> LEMO -BNC adapter	Converts LEMO to BNC connector	

DRAWINGS



TYPICAL PERFORMANCE CHARACTERISTICS

