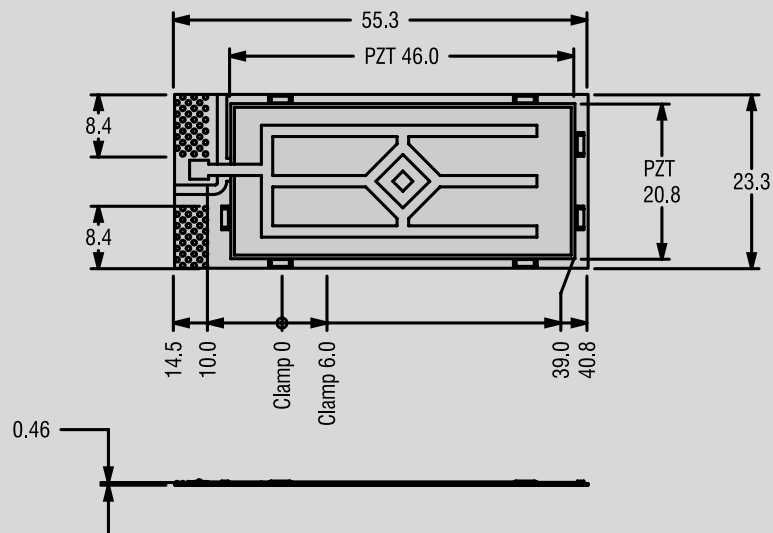


# S118-J1SS-1808YB

Piezoelectric Bending Transducer



## Dimensions



## Layer Specifications

Layer Material	Thickness mils / mm
Polyester	2.0 / 0.05
Copper	1.4 / 0.03
PZT 5J	6.0 / 0.15
Stainless Steel 304	6.0 / 0.15
Polyimide	1.0 / 0.03

## General Specifications

Parameters	Specifications
Length (mm.)	55.4
Width (mm.)	23.4
Thickness (mm.)	0.46
Temperature Range	-60° C to 120° C
Mass (grams)	2.8
Capacitance (nF)	100
Rated Drive Voltage (+/-V) off of Resonance	120
Free Deflect (+/-mm)	0.80
Blocked Force (N)	0.20
Spring const (N/mm)	0.25
Max Amplitude (mm)	2.0
Resonant Freq (Hz)	130
Max Drive Volts @ Resonance (V)	10.0

## Harvester / Generator Specifications

Parameter	No tip mass (unloaded)
EH Resonant Freq (Hz)	130
Open Circuit Output (+/- Volts/G)	6
Resistor Load (Ohm)	15700
Power @ Rated G (mW)	0.7
G rating (+/- G's)	8