

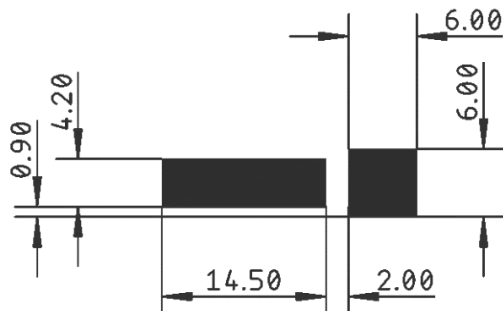
Piezoelectric Sensor SYS-FLX-900-010

GENERAL specification

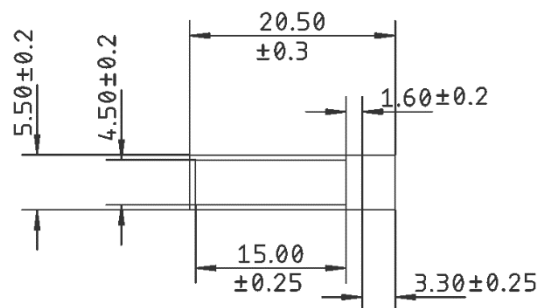
PZ structure is based on Votek3 proprietary Piezoelectric bending elements which are electromechanical transducers with high motion and voltage sensitivity. The element has sandwich -like structure, in which two thin piezoelectric ceramic sheets are bonded between them

1	Sensor Dimensions	Parameter	Tolerance
	Length	20 mm	± 20%
	Width	5 mm	± 20%
	Thickness	0.35 mm	± 15%
2	Weight	0.2 gr	+/-15%
3	Electrical Properties		
	Capacitance before poling	5-9 nF	
	Capacitance after poling	6-10 nF	
	Piezoelectric Charge (Displacement Coefficient) d31	-320 Coul/N x 10 ⁻¹²	
4	Environmental Specifications		
	Operation Temperature	a. -40° C to 85° C	
	Storage Temperature	a. -54° C to 95° C	
	Curie Point	a. 225° C	
	Vibration/Bonding	not tested	
	Humidity	not tested	
	Lifetime/MTBF/Redandancy	not tested	
	Pressure	not tested	

EXAMPLE LAND PATTERN



SENSOR DIMENSIONS



All lengths are in mm