

# Rotary piezoelectric micromotor MPR 1

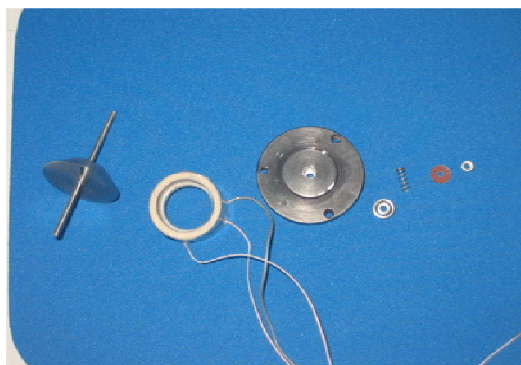
## TECHNICAL CHARACTERISTICS

### Version MPR - 33

Parameter or technical characteristic	Value
1. Voltage domain	50 - 150 V <sub>ef</sub>
2. Resonance frequency	22 - 30 kHz
3. Maximum axial force	20 N
4. Micromechanical torque at 50 V <sub>ef</sub> and at resonance frequency	Minim 0,7 cNm
5. Speed at 50 V <sub>ef</sub> and at resonance frequency	Minim 4 rpm
6. Maximum consumed active power	20 W
7. Mechanical power at 50 V <sub>ef</sub> and at resonance frequency	10 W
8. Maximum Over temperature	20 degree Celsius
9. Maximum dimensions	Diameter 49 mm x length 70mm
10. Micromotor mass	250 gramms

### Version MPR - 15

Parameter or technical characteristic	Value
1. Voltage domain	50 - 150 V <sub>ef</sub>
2. Resonance frequency	22 -30 kHz
3. Maximum axial force	5 N
4. Micromechanical torque at 50 V <sub>ef</sub> and at resonance frequency	Minim 0,4 cNm
5. Speed at 50 V <sub>ef</sub> and at resonance frequency	Minim 4 rpm
6. Maximum consumed active power	15 W
7. Mechanical power at 50 V <sub>ef</sub> and at resonance frequency	8 W
8. Maximum Over temperature	20 degree Celsius
9. Maximum dimensions	Diameter 20mm x length 17mm
10. Micromotor mass	20 gramms



**APPLICATIONS:** microelectrical drives with small angular speeds and significant axial loads:

- **Oil industry**
- **Environment monitoring systems**
- **Optic scanning**