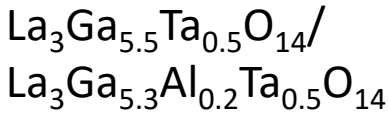


LTG/LTGA



High electromechanical coupling factor
 Steady-state value of piezoelectric constant d_{11} up to 600 ° C
 High electrical resistivity



Product Information



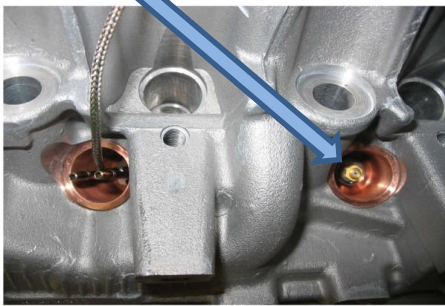
4 inch LTGA single crystal

Main Applications

- Surface Acoustic Wave (SAW) Sensors
- Bulk Wave Sensors, and Piezo static Sensor elements, for high sensitivity and high temperature applications
- Bulk Wave (BAW) resonators
- SAW devices for frequency control
- Piezoelectric filters, both discrete and monolithic

LGS, LTG and Al substituted crystals Properties

Crystal	Density (g/cm ³)	K _{1,2}	ρ (Ω·cm) @400°C
LGS	5.85	0.16	5.9x10 ⁷
LGS-Al (0.9)	5.67	0.162	7.6x10 ⁸
LTG	6.12	0.17	2.2x10 ⁷
LTG-Al (0.5)	6.00	0.16	7.1x10 ⁸



Combustion piezo sensor for engines

C&A products: LTG/LTGA crystals, blanks, wafers