

FAQ's TO FERROPERM PIEZOCERAMICS

QUESTION

What type of surface finish can I expect on the parts?

ANSWER:

Ferroperm Piezoceramics offers three different options in surface finish on discs, rings and plates.

- Lapped surface $R_a \approx 1,2 \mu\text{m}$
- Fine-grinded surface $R_a \approx 0,8 \mu\text{m}$
- Polished surface $R_a \approx 0,3 \mu\text{m}$

These values are defined for the ceramics material without electrodes.

If a chemical or evaporated electrode is deposited on the surface, the R_a values remains in the same range. The screen-printed electrodes are however thicker, and will always define a new R_a , which is in the same range as a normal lapped surface.

In applications with screen-printed electrodes where low R_a -values are required Ferroperm offers a polishing operation after deposition of the electrode. The R_a values will in these cases be below $0,5\mu\text{m}$.