

FAQ's TO FERROPERM PIEZOCERAMICS

QUESTION

How can I see in which direction a piezoceramic part is poled?

ANSWER:

The indication of polarity can be specified by the customer, but there are a few "standard" methods, which are widely used within the industry.

The most normal way to indicate the direction of polarisation is to apply a small ink dot on the positive side of the part. Another way, typical for small plates, is to use two parallel lines imprinted in the silver electrodes as an indicator of the positive side.

If a positive electrode is connected to the side with the ink dot, the part will therefore expand in the polarisation direction and contract in the directions perpendicular to this.

Ferroperm has furthermore introduced a colour code, whereby it is possible to identify different material types.

Product	Ceramic colour	Ink dot
Pz21	Light green	Purple
Pz23	Light yellow	Red
Pz24	Grey	Red
Pz26	Grey	Black
Pz27	Yellow	Green
Pz28	Grey	Purple
Pz29	Light yellow	Blue
Pz34	Black	Green
Pz35	White	Black
Pz46	Beige	Red