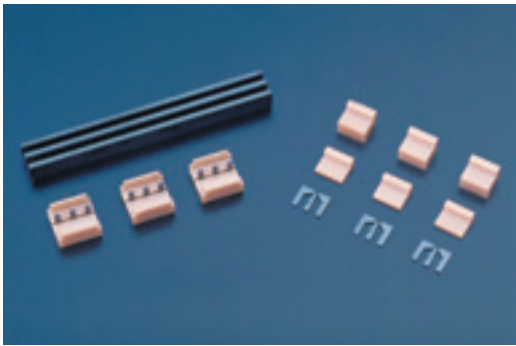


## SLIDER CERAMICS



We created high-density materials with low internal porosity, and realized stable quality by utilizing our ceramic material technology accumulated over many years and our original manufacturing technology. High-precision slider ceramics combining powder press molding technology and precision processing technology are used as supporting materials for magnetic head portion, contributing to the improvement of performance. Ferrite can also be processed. Please contact us.

### ■ Features

- High density, very low porosity
- Coefficient of thermal expansion and wear resistance similar to those of ferrite
- Excellent surface smoothness
- High-precision processing technology
- Total production from materials to forming and cutting

### ■ Applications

Various magnetic head for floppy disk drives, etc.

### ■ Characteristics

Material name		Calcium titanate					Barium titanate	
Product No.		KTN-SH	KTN-SH H	AX-07	AX-07 H	CTY H	FT96	
Color		Dark brown	Dark brown	Yellow brown	Yellow brown	Yellow brown	Gray-yellow	
Bulk density	kg / m <sup>3</sup>	4.03×10 <sup>3</sup>	4.03×10 <sup>3</sup>	4.00×10 <sup>3</sup>	4.00×10 <sup>3</sup>	4.00×10 <sup>3</sup>	4.5×10 <sup>3</sup>	
Water absorption	%	0	0	0	0	0	0	
Vickers hardness	Hv	880	880	880	880	880	860	
3-point bending strength	MPa	285	285	265	265	285	225	
Coefficient of linear thermal expansion	100~300°C	×10 <sup>-6</sup> / °C	11.5	11.5	10.5	10.5	10.9	9.6
	100~300°C		11.9	11.9	11.5	11.5	11.5	10.0
Dielectric constant	1MHz	173	173	173	173	167	48	

KTN-SH



AX-07



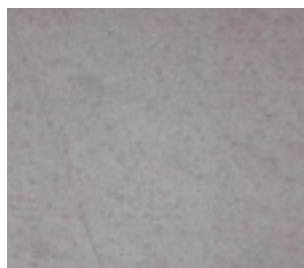
CTY H



KTN-SH H



AX-07 H



FT96

