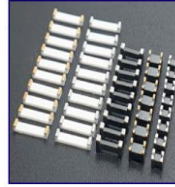


## Transponder

### Features

1. Targeted for applications demanding high stability such as motion analysis and control, navigation system, steering control and tyre pressure transponder.
2. Available for gold / tin plated termination.
3. Do not contain lead & support lead-free soldering.
4. Provide Au termination for high temperature bonding process.



### Ceramic Core

Item	Unit	Value
Surface Roughness	Ra $\mu\text{m}$	>0.20
Bulk Density	$\text{g}/\text{cm}^3$	>3.6
Alumina Content	Wt%	96
Color	-	White
Dielectric Constant (at 1MHz)	-	$\leq 10$
Volume Resistivity (at 25°C)	Ohm-cm	$> 10^{14}$
Thermal Conductivity (at 25°C)	W / mK	22.3
Coefficient of Linear Thermal Expansion (25-800°C)	$10^{-6}/\text{K}$	$\leq 8.0$
Flexural Strength	Mpa	>300

### Ferrite Core

Please refer Ni-Zn Ferrite Material List

We accept drawing specification from customer.