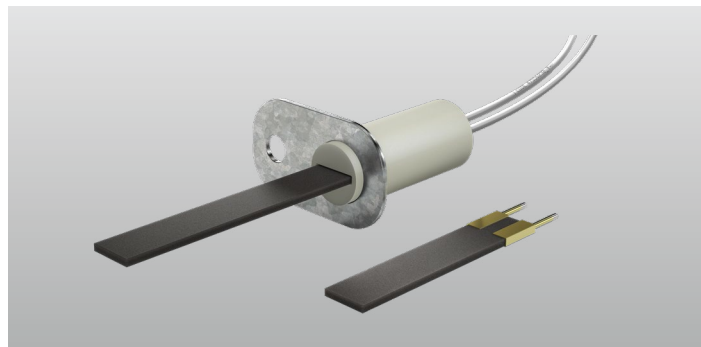


SILICON NITRIDE IGNITER RELIABLE IGNITION OF HYDROGEN-ADMIXTURES



APPLICATIONS

- ▶ Residential and commercial hydrogen heating and boiler systems
- ▶ Hydrogen fueled gas turbines

FEATURES

- ▶ Compact / light weight / energy-conserving
- ▶ Superior thermal properties
- ▶ High reliability
- ▶ Automotive quality grade

MATERIAL DETAILS

- ▶ Element material: Aluminium oxide or Silicon nitride
- ▶ Heating material: Tungsten base
- ▶ Different heating materials (TCR) available

THERMAL PROPERTIES

Item	Unit	Silicon nitride
Max. using temperature	°C max.	1400
Operating temperature	°C max.	1300
Thermal conductivity	W/(m*K)	31
Specific heat	J/gK	1
Coefficient of linear thermal expansion	$\times 10^{-6}/^{\circ}\text{C}$	3.7

CONFIGURATION & DIMENSION

SN	Plate	Length	Width	Thickness
		30 ~ 100	4 ~ 50	1 ~ 20
SN	Rod	Length	Diameter	
		30 ~ 100	3 ~ 20	