

硫化腐食を検出可能

Capable of detecting sulfurization corrosion

参考出品

Development Planning

硫化検知モジュール

Sulfur corrosion detection module

特長

Features

硫化反応の早いチップ素子を複数使用し、腐食の進行度を段階検知
Multiple highly reactive chip elements enable stepwise sulfur corrosion detection

機器に組み込むことで長期にわたる腐食の進行度を手軽に把握
Easy monitor the progress of sulfur corrosion over a long period by incorporating it into equipment.

電子部品への直接的な腐食影響を検知し、設備への影響判断に有効
Detects direct corrosion impact on electronic components

*Photo of a prototype

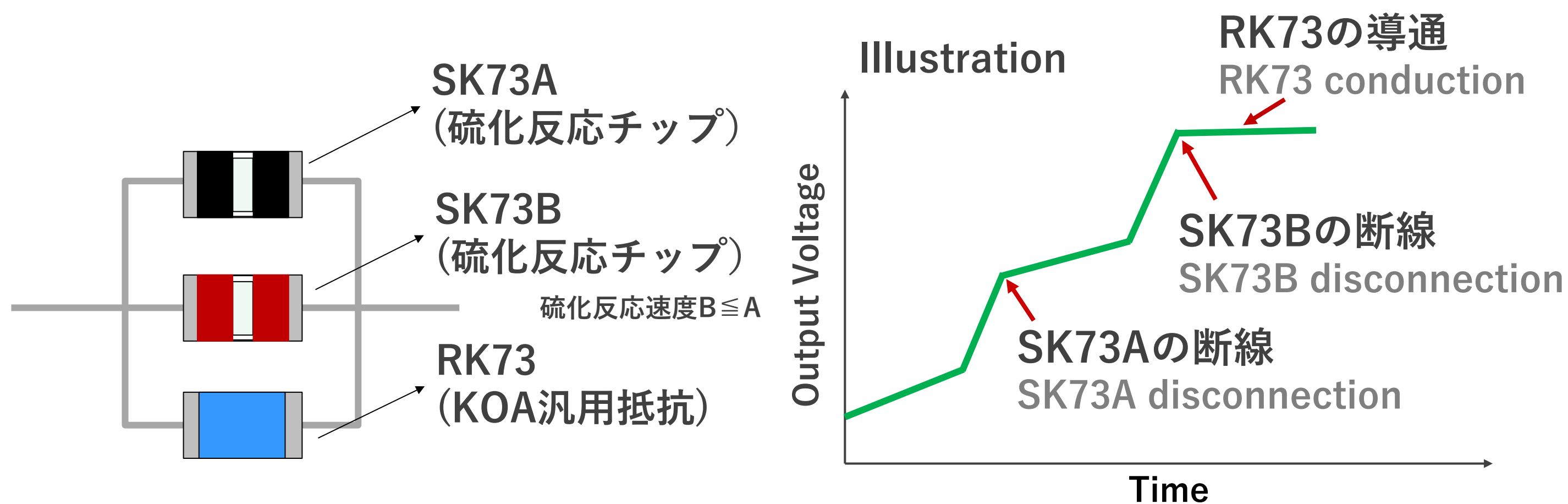
仕様

Specifications

PCB Size	Supply Voltage	Output	Installation	Operating Temperature	reaction gas
20×20×3 mm (L×W×H)	DC 5.0V	Analog Voltage	Integrated into Equipment	-40～+85℃	hydrogen sulfide

腐食度合いの段階的検知

Stepwise Detection of Corrosion Levels



合成抵抗値の変化から、硫化腐食の進行度を段階的に検知する

The degree of corrosion is detected step by step from the change in the combined resistance value

硫化ガス発生AP例

Applications with Hydrogen Sulfide Gas Generation

工場：切削液・加工油などから発生

Factory: Generated from cutting fluids and processing oils

データセンター：外気からの侵入やケーブル、ゴム部品などからの発生

Data Center: Intrusion from outside air and emissions from cables, rubber parts.

電子部品保管庫：段ボールやゴム系材料などから発生

Electronic Component Storage: Generated from cardboard, rubber-based materials, etc.

