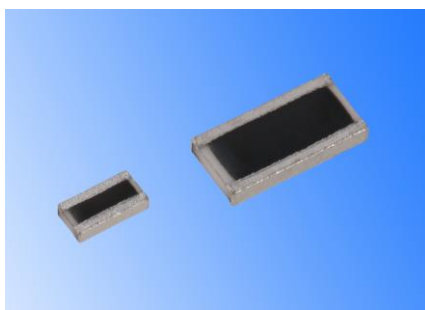


# 1 W & 0.3 W High Precision Power Resistors



**NEW**

## WN73H Series



KOA's new WN73H-series automotive approved high power thin film resistors is designed for high reliability applications in demanding environments.

The wide terminal construction saves board space due to the improved heat dissipation via the solder joints as well as providing enhanced solder junction reliability.



[Datasheet](#)

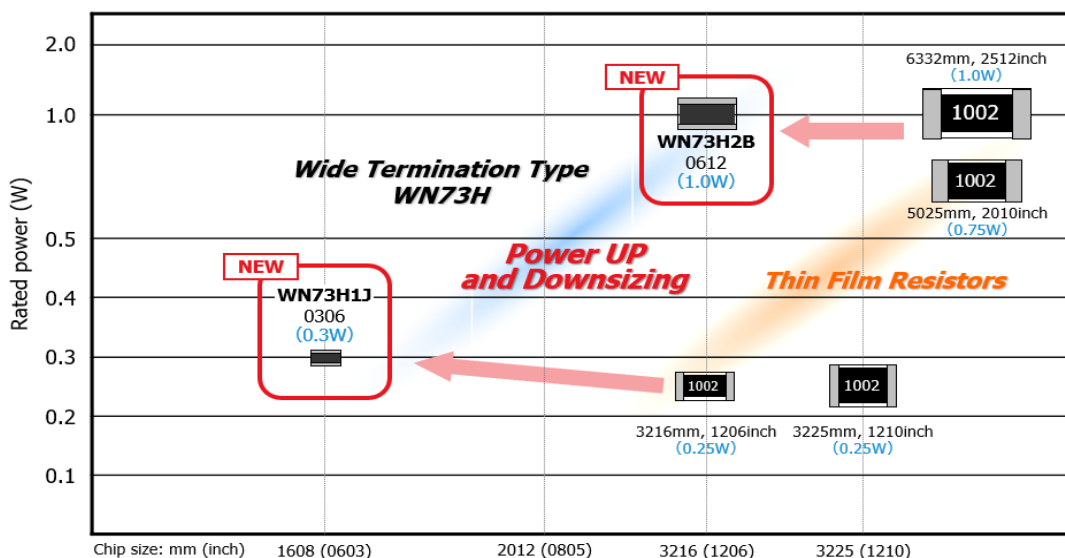
## Features

- Thin film technology with wide terminations
- High rated power & high precision
- Lower self-heating, low current noise
- Excellent moisture resistance and high heat resistance of 0.1 % by special resistive film and additional inner protective coating
- Enhanced junction reliability for temperature cycling
- Sulfur resistance verified according to ASTM B 809-95
- EU-RoHS compliant, AEC-Q200 tested

## Application Examples

- Automotive electronics (various ECU's, power train, body control, etc.)
- Industrial or medical electronics
- Measurement equipment
- Dividers for power supply voltage monitoring
- Applications with risk of ignition or gas explosion

## Proposal for Downsizing and High Rated Power



WN73H guarantees a higher rated power compared to standard thin film products!

Downsizing of large size thin film chip resistors is possible.

## Ratings

Operating Temperature Range: -55°C ... +155°C

Type	Size (inch)	Power Rating	Rated Ambient Temp.	Rated Terminal Part Temp.	T.C.R. (ppm/K)	Resistance Range E24 • E96		Long-Term Stability ΔR*1
						B: ±0.1% C: ±0.25%	D: ±0.5%	
WN73H 1J	0306	0.3 W	+85 °C	+125 °C	±10	100 Ω ~ 43 kΩ		±0.1 %
					±25	15 Ω ~ 100 kΩ	10 Ω ~ 100 kΩ	
					±50			
WN73H 2B	0612	1 W	+85 °C	+125 °C	±10	100 Ω ~ 100 kΩ		
					±25	15 Ω ~ 100 kΩ	10 Ω ~ 100 kΩ	
					±50			

\*1 depends on resistance value

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