

ALUMINUM NITRIDE THIN FILM PRECISION RESISTORS TYPE RA73 SERIES

TE Connectivity (TE)'s Aluminum Nitride Thin Film Precision Resistors Type RA73 series is a high stability precision thin film chip resistor range offering very high power & size ratio, up to 1W in 0805 size. The Type RA73 series offers Temperature Coefficient of Resistance (TCR) down to 25ppm / °C and resistance tolerances to 0.1%. Standard values are within the IEC 63 E96 and E24 value grids. The RA73 resistors have accurate and uniform physical dimensions to facilitate automatic placement methods.

BENEFITS

- High thermal conductivity Aluminum-Nitride substrate
- High power-to-size ratio
- Thin film precision resistors with TCR to 25ppm and tolerances to 0.1%
- Resistance availability within E24 and E96 value grids
- Suitable for reflow as well as wave soldering

APPLICATIONS

- Automation controllers
- Robotics
- Outdoor LED lighting
- Automotive
- Power supplies
- Power switching
- Braking systems

Aluminum Nitride Thin Film Precision Resistors Type RA73 Series

PRODUCT INFORMATION

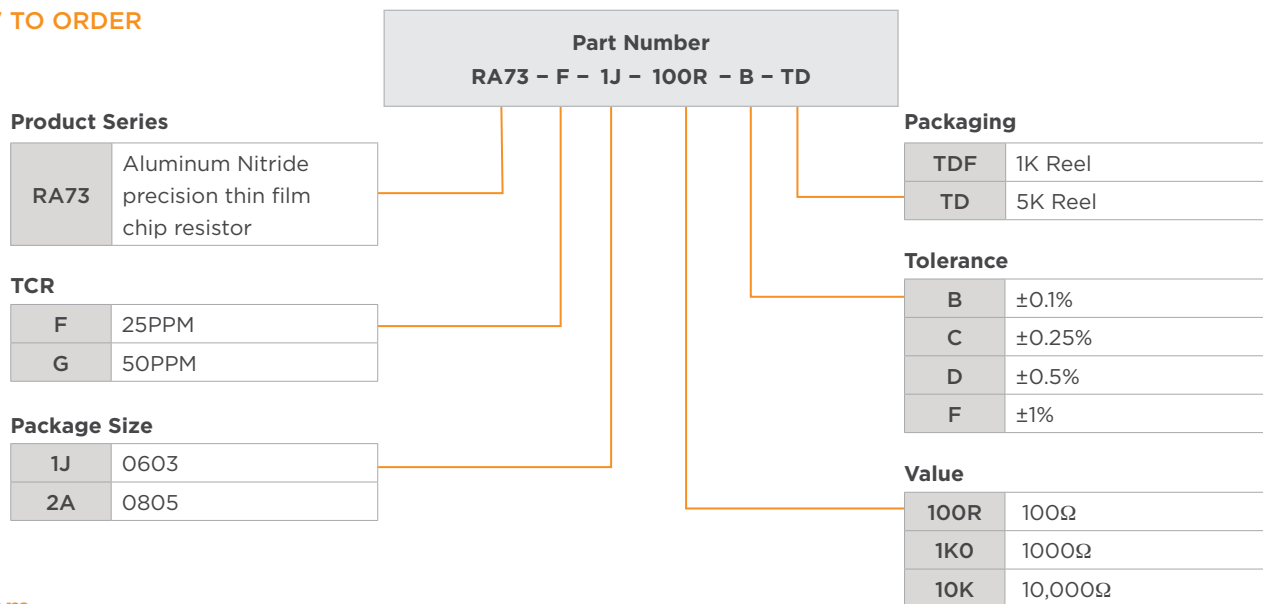
Base Part Number	2176473	2176474	2176475	2176479	2176480	2176481	2176476	2176477	2176478	2176482	2176483	2176484
Chip Size	0603						0805					

ELECTRICAL CHARACTERISTICS

Rated Power @70°C	0.5W						1W						
Resistance Range Ω	Min.	50R						50R					
	Max.	30K1						30K1					
Tolerance	0.1			0.25			0.50			1			
Code letter	B			C			D			E			
Selection series	E24 & E96												
Temp. coefficient (ppm/°C)	25	50	25	50	25	50	25	50	25	50	25	50	
Code letter	F	G	F	G	F	G	F	G	F	G	F	G	
Operating voltage (max)	75V						100V						
Max. overload voltage	150V						200V						
Operating temp. range	-55 - +155°C												
Insulation resistance dry min.	>9999MΩ												
Stability	1%												

Power rating dependent on component mounting by user

HOW TO ORDER



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