



**THE DATASHEET OF
A5940GLKTR-T**





A5940: Three Phase Sensorless Sinusoidal Fan Driver

The A5940 three phase motor driver incorporates sinusoidal drive to minimize audible noise and vibration for medium power fans.

A sinusoidal voltage profile is applied to the windings of the motor at startup to quietly startup and gradually ramp up the motor to desired speed.

This device is available in both automotive and commercial grade.

Additional product technical information and datasheets are available by [contacting the Allegro Factory](#).

FEATURES & BENEFITS

PACKAGING

TECHNICAL DOCS

NEWS

- 180° sinusoidal drive - low audible noise and vibration
- Motor position using Allegro's sensorless algorithm - eliminates external Hall sensors
- AEC-Q100 Qualified - suitable for automotive applications



Part Number Specifications and Availability

Part Number	Package Type	Temperature	RoHS Compliant	Part Composition / RoHS Data	Comments	Samples	Check Distributor Stock
APEK5940GEJ-01-T	DEMO BOARD	-20°C to 85°C	No	--		Contact your local sales rep	Check Stock
A5940GEJTR-T	10-lead DFN	-40°C to 105°C	Yes	View Data		Contact your local sales rep	Check Stock
A5940GLKTR-T	10-lead SOIC	-40°C to 105°C	Yes	View Data		Contact your local sales rep	Check Stock
A5940GLNTR-T	10-lead SSOP	-40°C to 105°C	Yes	View Data		Contact your local sales rep	Check Stock
A5940KLKTR-T	10-lead SOIC	-40°C to 125°C	Yes	View Data		Contact your local sales rep	Check Stock

Allegro's products are not to be used in any devices or systems, including but not limited to life support devices or systems, in which a failure of Allegro's product can reasonably be expected to cause bodily harm.

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-  Shortage Management
-  Alternative Solution
-  Excess Inventory Management