



PTC Heaters for Angle of Attack Vane De-Icing

PTC Thermistors can be used in Aerospace applications as heaters for Angle of Attack Sensors to prevent ice formation during flight. The PTC self-regulates its temperature and minimizes the power consumption when the vane is not in an icing condition, which improves the reliability of the vane assembly.

Features & Benefits

- Self-regulating properties - Power will adjust to prevailing conditions with ~10x variation in output
- Temperature on the ground is relatively cool ~ 150°C compared to >500°C for wire-wound products
- 10+ years of proven higher reliability than wire-wound products
- Special shapes to suit customer's vane design
- Available for 115V 400Hz and 28V dc
- Switch temperature of 115°C to 135°C with additional capabilities outside this range
- Sub-assemblies can be produced



Angle of attack sensor on plane



Amphenol
Advanced Sensors

www.amphenol-sensors.com

© 2019 Amphenol Corporation. All Rights Reserved. Specifications are subject to change without notice. Other company names and product names used in this document are the registered trademarks or trademarks of their respective owners.