



NTCS...E3...SMT

SMD NTC Thermistors with Enhanced Stability



- **Product / Series**
 - NTCS...SMT Datasheet # [29151](#)
 - NTCS...SMT Product Sheet # [49498](#)
- **Product Competitive Benefits – related to Medical Applications**
 - Excellent long-term stability with low resistive drift $\leq 0.5\%$ after 10 000h life test
 - Excellent long-term temperature sensing stability with temperature drift $\leq 0.1^{\circ}\text{C}$
- **Product Features**
 - Packages sizes 0805 down to 0402
 - Specific resistance value per size (i.e. 100 k Ω 0805)
 - Fully glass coated and protected
 - Monolithic design with soft flexible terminations
 - Wide temperature range from -40°C to $+125^{\circ}\text{C}$
 - Very low operating current 1 to 50 μA
- **Product Functionality**
 - Temperature Measurement and Control
 - Thermal Compensation
 - Battery Management
- **Critical Medical Applications**
 - Neurostimulators
 - Ventilators
 - Respiration Systems
- **Non-critical Medical Applications**
 - Digital Thermometers
 - Patient Care Monitoring
 - Instrumentation
 - Meters / Pumps
 - Medical instrumentation and equipment