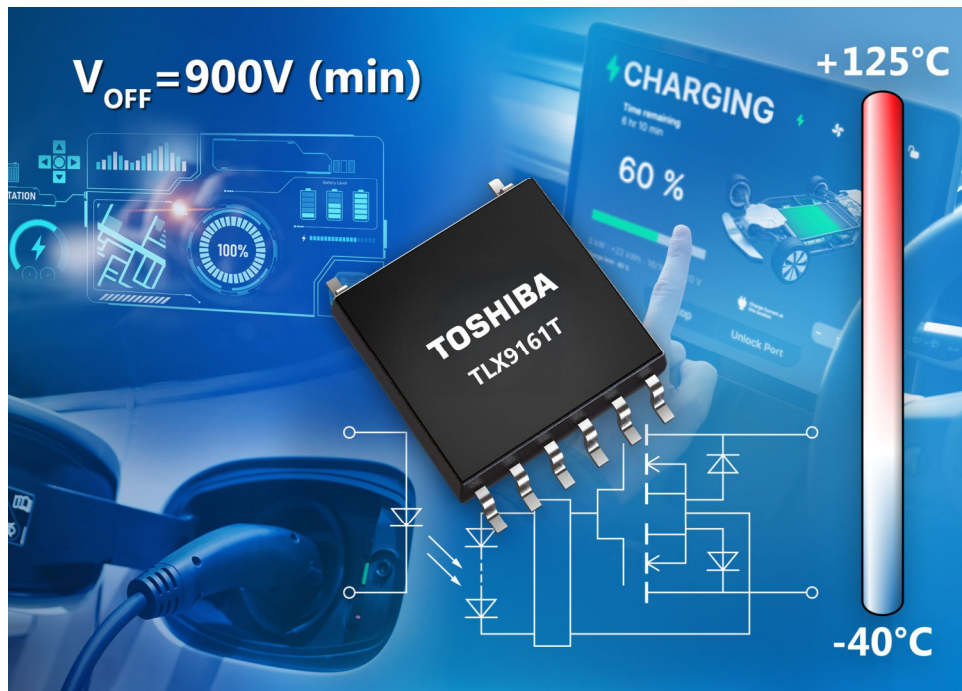


TLX9161T(TPL,F(O

Compact photorelay or solid state relay with high breakdown voltage support for EV battery systems
Miniaturised SO12L-T package delivers 1500V output withstand voltage enabling more efficient, safer, and cost-effective automotive battery units



Features

- Output withstand voltage (VOFF) of 1500V (min.)
- Reaction time (TON/TOFF) of 1ms (max.)
- Creepage and clearance distances of 8mm (min.), confirming effective isolation even in operating temperatures ranging from -40 to +125°C

Advantages

- High isolation voltage of 5000Vrms enables safe switch control across varying potentials
- The trigger current (IFT) is 3mA (max.), which minimises system energy consumption.
- Utilises a resin with a Comparative Tracking Index (CTI) exceeding 600, classifying it under Material Group I according to the international standard IEC60664-1

Benefits

- Reduction of package size from predecessor item, minimise the overall size of the battery unit and allows for cost savings
- Fully compliant with AEC-Q101 Grade 1