

# ALTERNATES TO CHIP TANTALUMS

## ALTERNATES TO SURFACE MOUNT TANTALUM ELECTROLYTIC CAPACITOR USING SURFACE MOUNT ALUMINIUM ELECTROLYTIC CAPACITORS ON EXISTING SURFACE MOUNT TANTALUM ELECTROLYTIC LAND PATTERNS

Easy-to-follow guidelines to aid in selecting an alternate component to hard-to-find Tantalum Electrolytic Capacitors.

### Preliminary Information

## General Description

### ALTERNATES TO SURFACE MOUNT TANTALUM ELECTROLYTIC CAPACITORS

Increased demand for chip tantalum electrolytic capacitors has resulted in shortage conditions, long lead times, allocated production and increasing pricing.

- Alternates for Common Call Outs
- Electrical Characteristics Comparison
- Typical Characteristics Over Temperature and Frequency
- Additional Information Resources

### USING SURFACE MOUNT ALUMINIUM ELECTROLYTIC CAPACITORS ON EXISTING SURFACE MOUNT TANTALUM ELECTROLYTIC LAND PATTERNS

NIC's guideline compares lead-terminal layouts of various diameter SMT aluminium electrolytic capacitors to standard sizes (B - D/E) SMT tantalum electrolytic capacitors.

- B (3528) Size Compared to 4mm / 5mm / 6.3mm
- C (6032) Size Compared to 4mm / 5mm / 6.3mm
- D1 (5846) Size Compared to 5mm / 6.3mm / 8mm
- D/E (7343) Size Compared to 5mm / 6.3mm / 8mm

