

LOW LOSS CAPACITORS HIGH CURRENT APPLICATIONS

Preliminary Information

General Description

LOW LOSS CAPACITORS FOR HIGH CURRENT APPLICATIONS

NIC has developed low loss high performance capacitor products to meet the increasing demands of next generation lower voltage - higher current circuits.

Next generation lower voltage circuits present several challenges to circuit designers.

- Increased operating current levels
- Reduced tolerance to noise-ripple on the supply line
- Tighter voltage regulation windows to suppress/prevent
 - Latch-up
 - Cross talk
 - False triggering
- Low ESR / Low Impedance
- High Ripple Current Rating
- Leaded & SMT Configurations
- Servers and Workstations
- High Current, Ultra-fast Transient Microprocessors
- Digital Editing / Processing

Demand is increasing for lower ESR-Z capacitors to filter-condition the supply line.

