



**NIC COMPONENTS CORP.**

70 Maxess Road • Melville, New York 11747  
(631) 936-7500 • Fax (631) 396-7575

6/4/99

## **FLAMMABILITY CHARACTERISTICS**

### **PRODUCTS: CERAMIC CAPACITORS SERIES: RADIAL, AXIAL LEADED AND SURFACE MOUNT**

#### **Flammability:**

Leaded ceramic capacitors will typically contain one or more of the following polymers\* that can be characterized concerning their flammability characteristics.

1. NCM & NCMA series; Radial and Axial leaded MLC ceramic capacitors  
Epoxy resin encapsulation meets UL94V-0; it's oxygen index is 35%.
2. NCD series; Radial leaded ceramic disc capacitors  
Phenolic resin encapsulation does not meet UL94V flammability requirements; it has an oxygen index is 48%.
3. NMC, NMC-E, NMC-H and NCA series; Surface mount ceramic capacitors and arrays do not contain any polymers and can meet the requirements of UL 94V.

\* - Flammability testing, such as the Japanese test (*JIS C0061-1985 Fire Hazard Testing Part 2: Needle Flame Test*) or UL94 (*Tests for flammability of plastic materials*), covers the flammability characteristics of components containing polymers. When applied to electronic components both of these tests are chiefly intended for resin encapsulated products.

ISO 9002 REGISTERED