MECHANICAL SPECIFICATIONS

SHOCK AND VIBRATION:
IC capacitors meet requirements of MIL STD 202D method 204B Part A: 10g or 0-50Hz maximum total of 9 hours with no serious external or internal damage. After test, electrical performance will be within standard +25°C specifications.

LEAD PULL & BEND TEST:
Lead Pull Test:
IC capacitors will withstand a 3 lb. maximum steady pull applied axially or radially for one (1) minute.

Lead Bend Test:
Leads can withstand 1 lb. applied for one cycle without breakage. Bend at any point in one direction, then return to original position; bend 90°in opposite direction and return to original position.

MARKINGS:
IC
Capacitance (µF or Code)
Working Voltage (WVDC)
Series Designation
Date code
Tolerance
(Symbol)

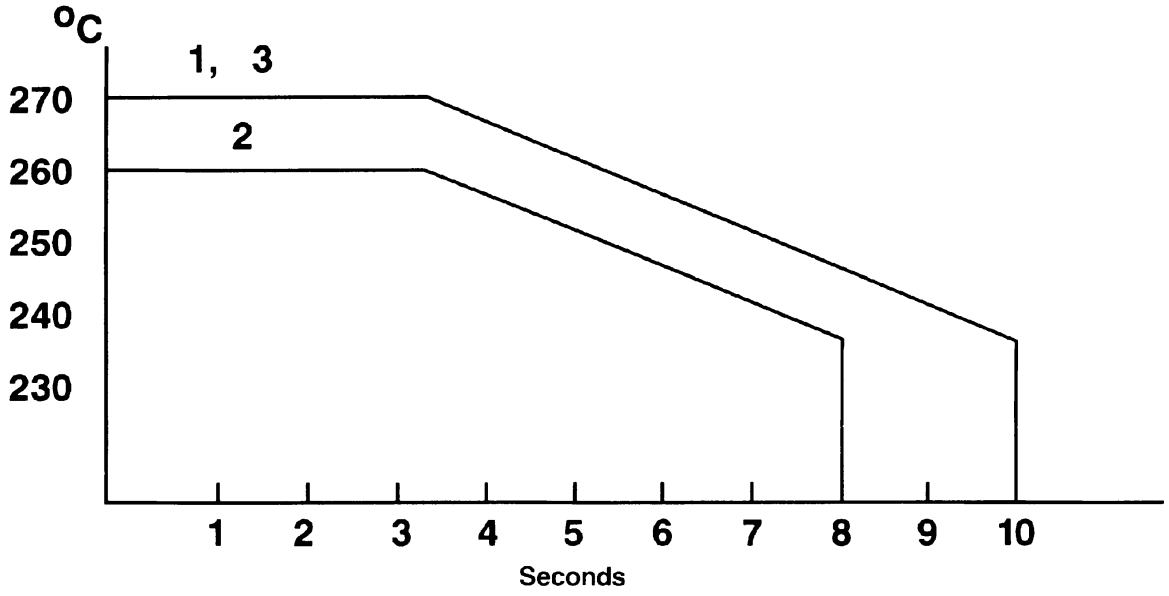
TAPE AND REEL CONFIGURATIONS:
IC capacitors are available in a tape and reel or ammo (flat) format for use with automatic insertion equipment on special order. (EIA RS 296E & EIA RS468).

RADIAL LEAD CUTTING AND FORMING:
Cut leads and or formed leads are available upon special order. Please contact IC for your specific requirements.

SOLDERABILTY:
IC capacitors meet the solderabilty requirements of ASNSI/J-STD-002.

STANDARD TEST METHODS:
EIA RS296E
EIA RS468
EIA RS376
EIA RS377
IEC 68
IEC 384
MIL 62
MIL 202
MIL C55514
ANSI/J-STD-002

SOLDERING TEMPERATURE VS. TIME



Curve 1 Polyester
Curve 2 Polypropylene
Curve 3 Polycarbonate

The characteristics of film capacitors can be adversely affected if the soldering time is too long or if the soldering temperature is too high. To prevent damage to the capacitors the above graph should be used.

Operating Temperature Range
The life expectancy of a capacitor is adversely affected by the temperature rise caused by self heating. It is recommended that the body temperature of the capacitor be limited to 10°C above the ambient temperature and the sum of the ambient temperature and self-heating body temperature be limited to the maximum temperature rating of the capacitor being used.