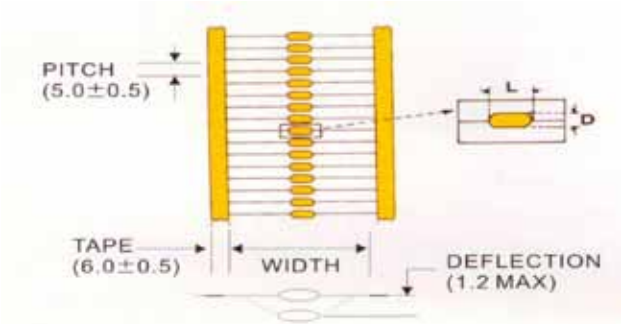
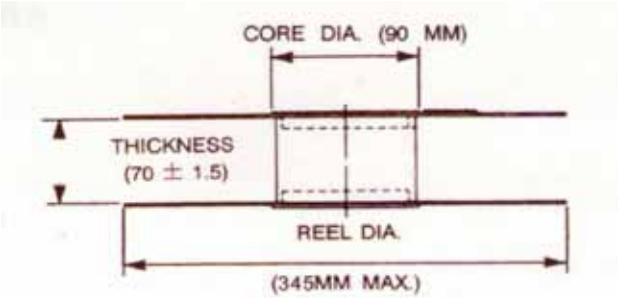
Packing Specification

AXIAL LEADED TYPE

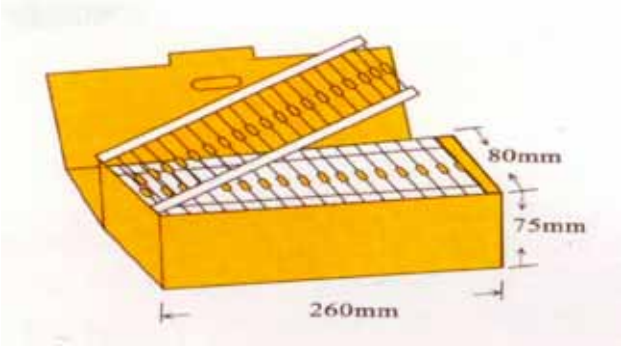
TAPE:



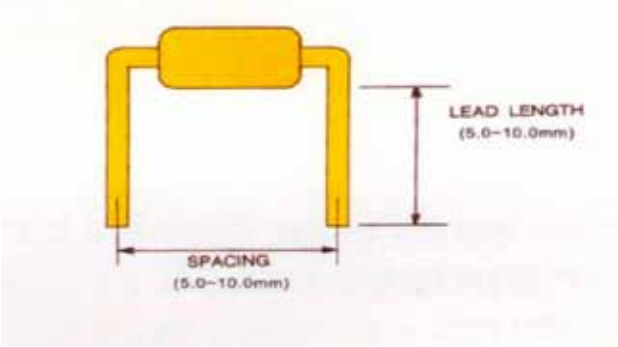
REEL:



AMMO PACK:

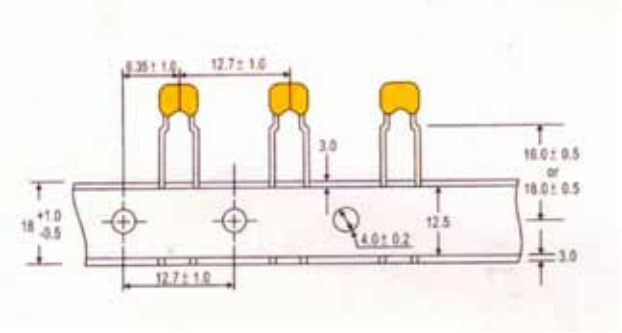


LEAD FORMING:

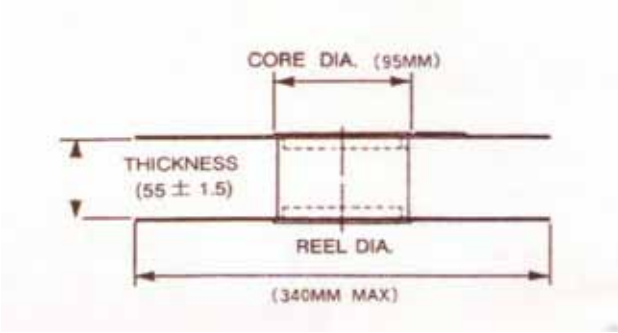


RADIAL LEADED TYPE

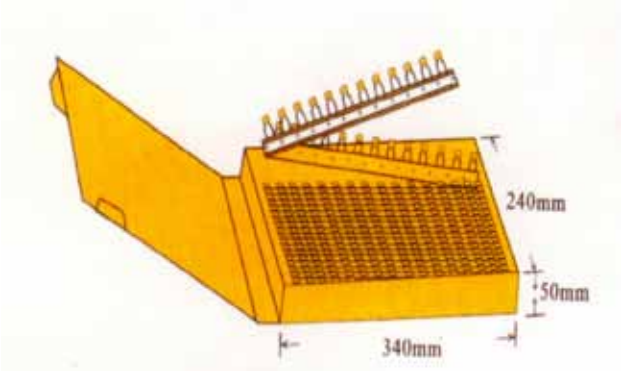
TAPE:



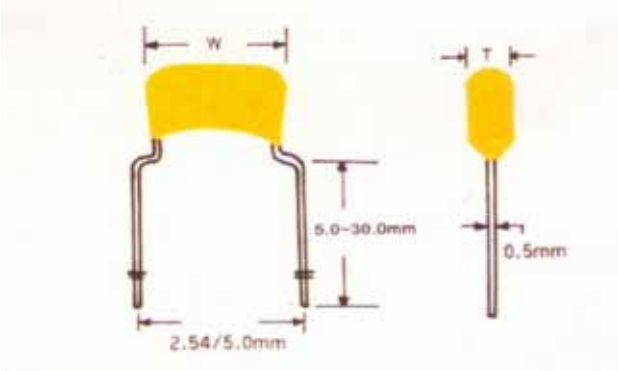
REEL:



AMMO PACK:



LEAD FORMING:



PACKING QUANTITY:

AXIAL:

Tape & Reel = 7500pcs / Reel (Standard)

Tape & Ammo = 5000pcs /Reel

RADIAL:

Bulk Pack = 1000pcs (Standard)

Tape & Reel = 2500pcs /Reel

Tape & Box = 2000pcs /Box

General Specification

CAPACITANCE RANGE:

10 pF ~ 2.2 uF (100 ~ 225)

CAPACITANCE TOLERANCE:

NPO : J = ±5%
X7R : K = ±10%, M =± 20%
Z5U : M = ±20%, Z = +80%/-20%
Y5V : Z = +80%/-20%

WORKING VOLTAGE:

E = 25VDC , F = 50VDC , H = 100VDC , K = 200VDC

TEMPERATURE CHARACTERISTICS:

NPO : 0 ± 30ppm/℃ (-55 to +125℃)
X7R : ± 15% ΔC (-55 to +125℃)
Z5U : +22% to -56% ΔC (+10 to +85℃)
Y5V : +22% to -82% ΔC (+10 to +85℃)

CAPACITANCE TEST CONDITIONS: (at 25℃)

NPO : 1.2Vrms max, and 1 MHz (1KHz for value above 1000pF)
X7R : 1.0Vrms ± 0.2Vrms and 1KHz.
Z5U : 0.5Vrms ± 0.1Vrms and 1KHz.
Y5V : 1.0Vrms ± 0.2Vrms and 1KHz.

DISSIPATION FACTOR:

NPO : 0.1% max.
X7R : 2.5% max.
Z5U : 4.0% max.
Y5V : 5.0% max.
(All measurement conditions are same as capacitance test at 25℃)

DIELECTRIC STRENGTH:

NPO / X7R : 250% of rated voltage with 50mA max. charging current.
Z5U / Y5V : 200% of rated voltage with 50mA max. charging current.

INSULATION RESISTANCE:

When measured at 25℃ and rated voltage, the below min. value will be met:
NPO / X7R : 100K Megeohms or 1000 Megeohm - Microfarads whichever is less.
Z5U / Y5V : 10K Megeohms or 100 Megeohm - Microfarads whichever is less.