Capacitor Networks

RoHS

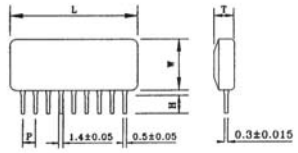
CN Series
(Single-In Line, Low Profile)

MERITEK

APPICATIONS

- Personal Computer
- Floppy Disk Drives
- OA Machine
- V.T.R
- Sequential machine
- TTL,CMOS,NMOS RMOS Interface circuits

■ Dimensions



Unit:mm

	Size (mm)
W	5.6±0.2
P	2.54±0.05
T	2.4±0.3
L	2.54xPin No.+1.3(nominal)
H	3.25±0.05

SPECIFICATIONS

ITEM \ TC	NPO	X7R	Z5U
Temperature Coefficient	0 ±30 ppm /°C -55°C to +125°C	±15% -55°C to +125°C	+22%, -56% -55°C to +85°C
Capacitance Test 25°C	1 Vrms max. at 1 KHz (1MHz for 100pF or less)	1 Vrms max. at 1KHz	1 Vrms max. at 1KHz
Dissipation Factor 25°C	0.15% max. at 1KHz, 1Vrms (1MHz for 100pF or less)	2.5% max. at 1KHz, 1 Vrms max.	5% max. at 1 KHz, 1 Vrms max.
Dielectric Strength, 25°C	300% rated voltage for 5 sec. 500mA max.	250% rated voltage for 5 sec. with 50mA max. charging	
Life Test (1000 hours)	≤ ±3% at 200% rated voltage, 125°C	≤ ±12.5% at 200% rated voltage, 125°C	< ±30% at 200% rated voltage, 85°C
Insulation Resistance 25°C	10,000 MΩ min.		
Rated Voltage	DC 25V, 50V, 100V		
Capacitance Range	10pF to 0.15μF		
Tolerance	±5% to +80 / -20%		

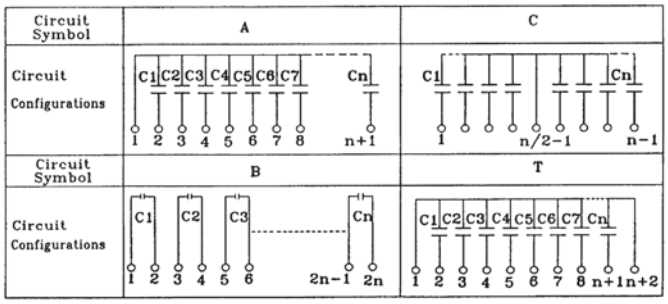
PART NUMBERING SYSTEM

CN 10 A X 103 K L

Meritek Series

Number of Pins

Circuit Configuration



Dielectric

CODE	N	X	Z
	NPO	X7R	25U

Capacitance

Capacitance expressed in pF. First two digits are significant figures. Third digit denotes number of zeros.
EX. 101:100pF 223:22000pF or .022μF 104:100000pF or 0.1μF

Tolerance

CODE	J	K	M	Z
	± 5%	±10%	± 20%	+80%, -20%

Voltage

CODE	L	M	H
	25V	50V	100V

MARKING

■	10	A	X	103	K
Pin No. 1 Indicator	No. Of Pins	Circuit	N: NPO X: X7R Z: Z5U	Capacitance Code	Tolerance