

Capacitor Networks



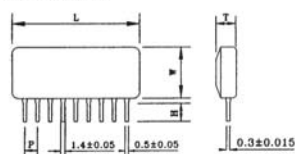
CN Series
(Single-In Line, Low Profile)

MERITEK

APPLICATIONS

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

Dimensions



	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

Unit:mm

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

Meritek Series **CN**

Number of Pins **10**

Circuit Configuration **A**

Dielectric

CODE	N	X	Z
	NPO	X7R	Z5U

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

Pin No. 1 Indicator **10**

No. Of Pins **A**

Circuit **X**

N: NPO
X: X7R
Z: Z5U

Capacitance Code **103**

Tolerance **K**

L

MARKING

Pin No. 1 Indicator **10**

No. Of Pins **A**

Circuit **X**

N: NPO
X: X7R
Z: Z5U

Capacitance Code **103**

Tolerance **K**