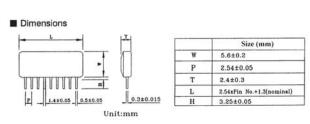
Capacitor Networks



MERITEK

APPICATIONS

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



SPECIFICATIONS

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

PART NUMBERING SYSTEM

Meritek Ser	ies				<u>CN</u>	<u>10</u> 	<u>A</u>	<u>×</u> 	<u>103</u> 	<u>K</u>
Number of	Pins									
Circuit Cont	figuration									
Circuit Symbol		A		С						
Circuit Configurations	$ \begin{array}{c} c_1c_2c_3c_4\\ \hline \\ 1\\ 2\\ 3\\ 4\\ 5\\ \hline \\ 6\\ 6\\ 6\\ 6\\ 6\\ 6\\ 6\\ 6\\ 6\\ 6\\ 6\\ 6\\ 6\\$	TTT T		$ \begin{array}{c c} \hline \\ \hline \\ \hline \\ \hline \\ n/2-1 \end{array} \begin{array}{c} \hline \\ \hline \\ n-1 \end{array} \begin{array}{c} \hline \\ \hline \\ n-1 \end{array} $						
Circuit Symbol		В		Т						
Circuit Configurations	$\begin{bmatrix} c_1 \\ c_2 \\ c_3 \\ c_4 \\ c_5 \end{bmatrix}$	$\begin{bmatrix} c_{1} \\ c_{2} \\ c_{3} \\ c_{n} \\ c_$	$\begin{array}{c} c_1 c_2 c_3 c_4 \\ \hline \\ \hline \\ 1 \\ 2 \\ 3 \\ 4 \\ 5 \end{array}$	TTTTI						
Dielectric										
CODE	N NPO	X X7R	Z 25U							
ËX.	ance expre	ssed in pF. Fir 223:22000pF	st two digits ⁻ or .022µF	are significant figu 104:100000pF or	ures. Third digit de 0.1µF	enotes nu	mber of ze	eros.		
Tolerance CODE	J	K	M	Z						
CODE	± 5%	±10%	± 20%	+80%, -20%						
Voltage										
CODE	L 25V	M 50V	H 100V							
RKING										
		10	Α	X	103		K			
Pin M Indic		No. Of Pins	 Circuit	 N: NPO X: X7R	 Capacitance Co	ode T	olerance			

Z: Z5U

Specifications are subject to change without notice.