

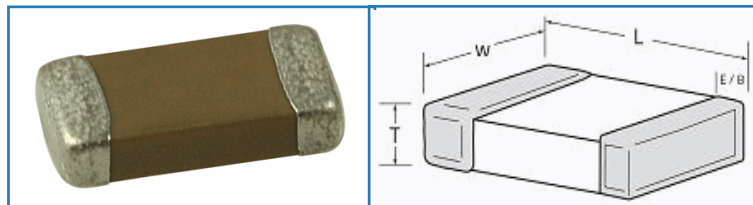
# DATASHEET

## C0603X7R160-104MNE

GENERAL PURPOSE CERAMIC CAPACITORS (C SERIES)  
0603, X7R, 16V, 0.1uF,  $\pm 20\%$ , 100% matte Tin(Sn) over Nickel



VENKEL LTD.



### SIZE SPECIFICATIONS units: inches

Length:	0.063
Width:	0.032
T(max):	0.038
Min E/B:	0.008
Size(EIA):	0603

### COMPONENT SPECIFICATIONS

Category:	Ceramic Capacitors
Series:	General Purpose (C Series)
Size:	0603
Dielectric:	X7R
Voltage:	16V
Capacitance:	0.1uF
Tolerance:	$\pm 20\%$
Termination:	100% matte Tin(Sn) over Nickel
Packaging:	Embossed Tape (7" Reel)
Quantity per Reel:	4,000

### DIELECTRIC SPECIFICATIONS

Temperature Coefficient:	$0 \pm 15\% \Delta^\circ\text{C MAX}$
Temperature Voltage Coefficient	X7R not applicable
Ageing:	2.5% per decade hour, typical
Withstanding Voltage:	>2.5 times VDCW
Operating Temp:	-55°C to +125°C
Dissipation Factor:	See C Series Datasheet

### COMPLIANCE STATUS

RoHS Status	6 of 6 Compliant
REACH Status	Compliant
Halogen Status	Halogen Free
Conflict Mineral Status	Conflict Mineral Free

### REEL DIMENSIONS units: mm

Tape	B min	C	A(7")	A(13")	D Min	N Min	G	T max
8mm	0.30	13 $\pm$ .05	178 $\pm$ 2.0	330 $\pm$ 2.0	20.20	50.00	10 $\pm$ 1.5	14.90

### TAPING SPECIFICATIONS units: mm

A	B	W	F	E	Po
1.10 $\pm$ 0.2	1.90 $\pm$ 0.2	8.0 $\pm$ 0.2	3.5 $\pm$ 0.1	1.75 $\pm$ 0.1	4.0 $\pm$ 0.1
Pz	D	T	P	To	T(E)
2.0 $\pm$ 0.05 - 0.0	1.5 $\pm$ 0.1	1.15 MAX	4.0 $\pm$ 0.1		