

Excellent Integrated System Limited

Stocking Distributor

Click to view price, real time Inventory, Delivery & Lifecycle Information:

[CTS Electronic Components](#)
[73U3107N](#)

For any questions, you can email us directly:

sales@integrated-circuit.com



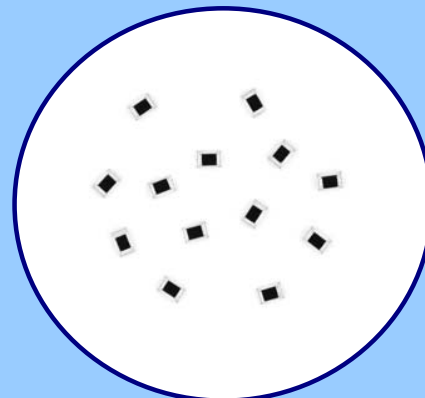
SERIES 73UX

ULTRA HIGH RESISTANCE CHIP RESISTORS

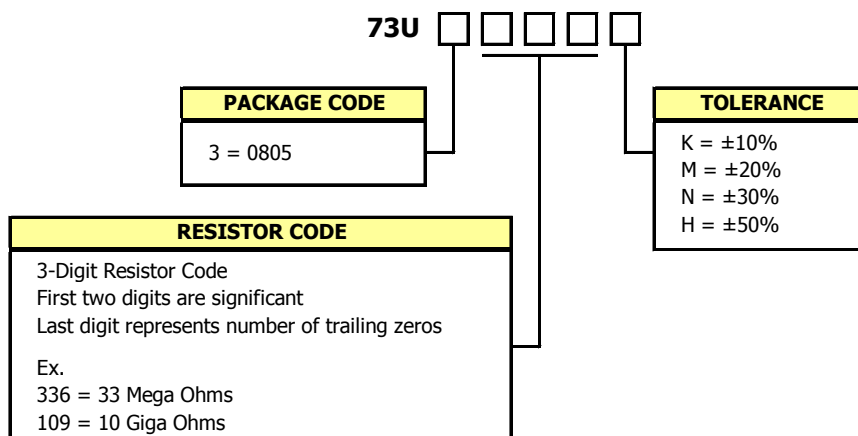


FEATURES

- **Ultra High Resistance [$\leq 100\text{G}\Omega$]**
- **Suitable for Use in High Input Impedance Quartz Amplifiers, Low Temperature Sensing Applications and Testing Devices**
- Good Electrical Characteristics
- Surface Mount Package
- Nickel Barrier Solder-Coated Pads [e3]
- Reflow capable per JEDEC J-STD-020, 260°C maximum
- Tape and Reel Packaging
- **RoHS Compliant in Accordance with EU Directive 2005/95/EC**
 - Lead-Free Termination Finish
 - Exemption 5 for Pb in glass material and resistor elements



ORDERING INFORMATION



Notes:

1. No dashes or spaces to appear in part number.
2. Example Part Numbers:
73U3109H [0805 pkg., 10 Giga Ohms, $\pm 50\%$]
73U3477K [0805 pkg., 470 Mega Ohms, $\pm 10\%$]

**Not all performance combinations and resistor values may be available.
Contact your local CTS Representative or CTS Customer Service for availability.**

STANDARD RESISTOR VALUES [Based on EIA E6 Sequence]

Resistor Value	Resistor Code	Resistor Value	Resistor Code	Resistor Value	Resistor Code	Resistor Value	Resistor Code
33 M Ω	336	330 M Ω	337	3.3 G Ω	338	33 G Ω	339
47 M Ω	476	470 M Ω	477	4.7 G Ω	478	47 G Ω	479
68 M Ω	686	680 M Ω	687	6.8 G Ω	688	68 G Ω	689
100 M Ω	107	1.0 G Ω	108	10 G Ω	109	100 G Ω	10A
150 M Ω	157	1.5 G Ω	158	15 G Ω	159		
220 M Ω	227	2.2 G Ω	228	22 G Ω	229		

ELECTRICAL CHARACTERISTICS

Type	Package Code [Inch (mm)]	Tolerance (%)	Resistance E-6 (Ω)	T.C.R +25°C - +125°C (ppm/°C)	V.C.R 5V-15V (%/V)	Maximum Working Voltage (V)	Maximum Overload Voltage (V)
73U3	0805 (2012)	K: ± 10	33M - 68M	0 to -500	0 to -0.1	15	150
		M: ± 20	100M - 680M	0 to -1000	0 to -0.5		
		N: ± 30 H: ± 50	1G - 100G	0 to -3500	0 to -2.5		

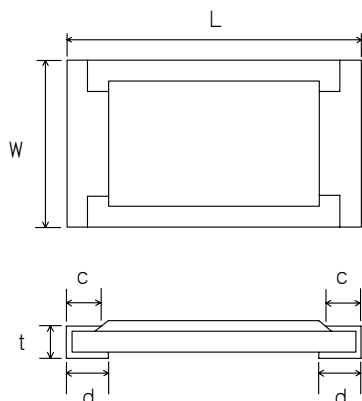
MECHANICAL SPECIFICATION

PACKAGE DRAWING

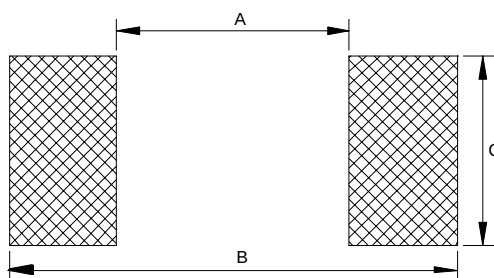
Dimensions (mm)	L	W	c	d	t
73U3	2.00 +0.20 -0.10	1.25 +0.20 -0.10	0.40 ± 0.20	0.40 ± 0.20	0.50 +0.15 -0.05

MARKING

No part marking.



RECOMMENDED LAND PATTERN

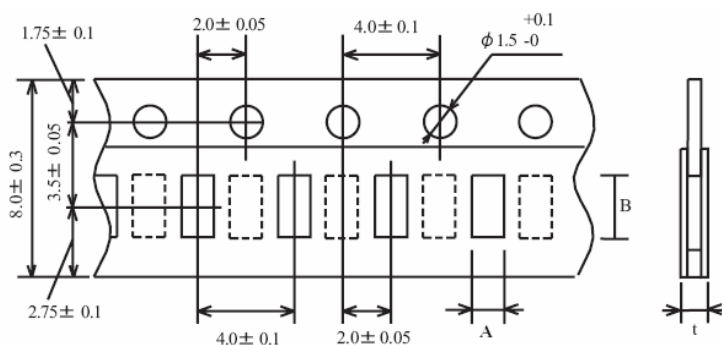


Type	Dimensions (mm)		
	A	B	C
73U3	1.20	3.20	1.25

PACKAGING INFORMATION

PAPER TAPE [mm]

Type	A	B	t
73U3	1.65 ± 0.20	2.40 ± 0.20	0.80 ± 0.20



REEL

Type	Package Code [Inch (mm)]	Quantity Per Reel	A (mm)
73U3	0805 (2012)	5,000	11.4 ± 1.1

