

INDUSTRIAL GRADE CERAMIC RESONATOR

AWSZT-MS

Pb in ceramic
(exempt per RoHS 2002/95/EC Annex (7))

RoHS
Compliant



FEATURES:

- Excellent environmental resistance
- Industrial Grade
- Low resonant impedance
- Reflow capable
- Small size, Lightweight

APPLICATIONS:

- Electric appliances
- Remote controls
- Microprocessor clocks
- Industrial controllers
- Mobile phones, DVD, CD-Rom

STANDARD SPECIFICATIONS:

Part Number (XX.XX denotes frequency in MHz)	Frequency Tolerance at 25°C	Frequency Stability at - 20°C to +80°C	Aging in 10 years	Operating temperature	Res. Imp. (Ω) max
AWSZT-XX.XXMSS 20.00 MHz - 50.00 MHz	± 0.5%	± 0.3%	± 0.3%	-20° to +80°C	40
AWSZT-XX.XXMSD 20.00 MHz - 50.00 MHz	± 0.5%	± 0.5% (- 40C to 85C)	± 0.3%	-40° to +85°C	40
AWSZT-XX.XXMSA 20.00 MHz - 50.00 MHz	± 0.5%	± 0.7% (- 40C to 125C)	± 0.3%	-40° to +125°C	40
AWSZT-XX.XXMS 8.00 MHz - 13.00 MHz	± 0.4%	± 0.3%	± 0.3%	-20° to +80°C	25
AWSZT-XX.XXMS 13.01 MHz - 20.00 MHz	± 0.4%	± 0.3%	± 0.3%	-20° to +80°C	40
AWSZT-XX.XXMS 20.01 MHz - 25.99 MHz	± 0.4%	± 0.3%	± 0.3%	-20° to +80°C	40
AWSZT-XX.XXMS 26.00 MHz - 50.00 MHz	± 0.4%	± 0.3%	± 0.3%	-20° to +80°C	40

ITEM	SPECIFICATION
Storage temperature:	- 40°C to +125°C
Insulation resistance:	500Mohms min. at 10Vdc

FREQ (MHz)	C1=C2 pF (±20%)
8.00 ~ 13.00	30
13.01 ~ 20.00	30
20.01 ~ 25.99	15
26.00 ~ 50.00	5

MARKING:

XX.XXZY XX.XX = (Frequency in MHz)
Z = Month Code; Y = Year Code

OPTIONS AND PART IDENTIFICATION:

[Left blank if standard]

AWSZT - XX.XXMSY - Packaging

XX.XX: Freq in MHz

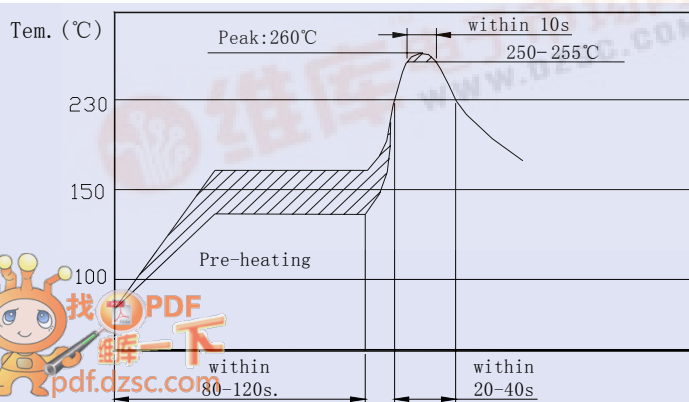
Y Option:

S,D or A

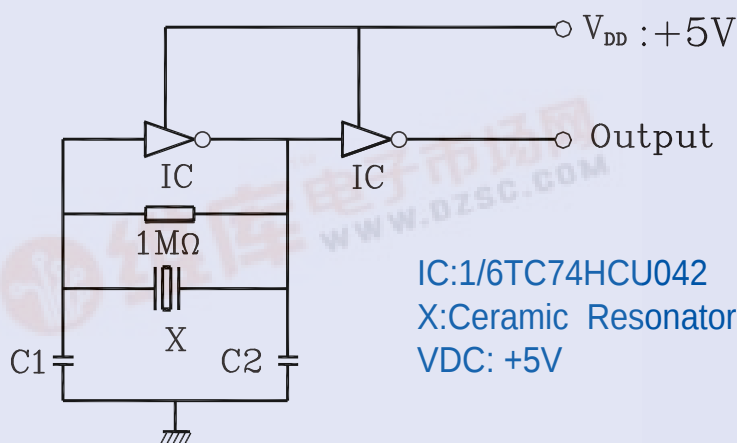
Packaging option:

T for Tape and Reel (3000pcs/reel)

SUGGESTED REFLOW PROFILE:



TEST CIRCUIT:



IC:1/6TC74HCU042
X: Ceramic Resonator
VDC: +5V

Dimensions: inch (mm)

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AWSZT-MS

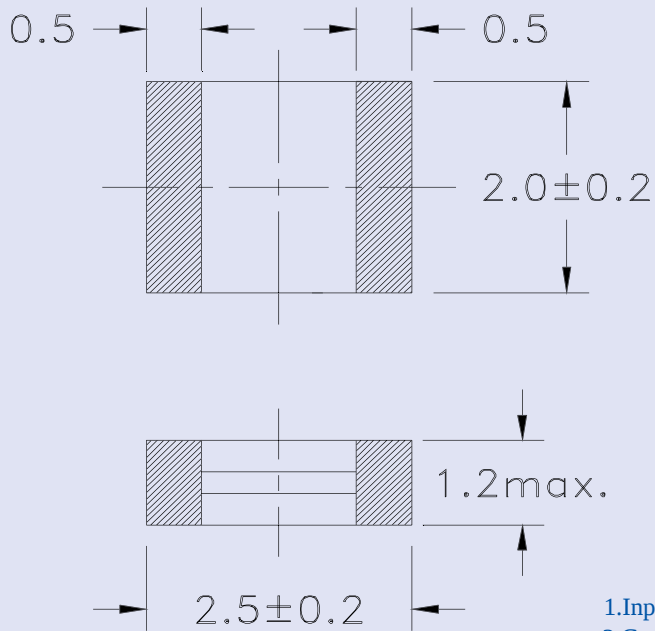
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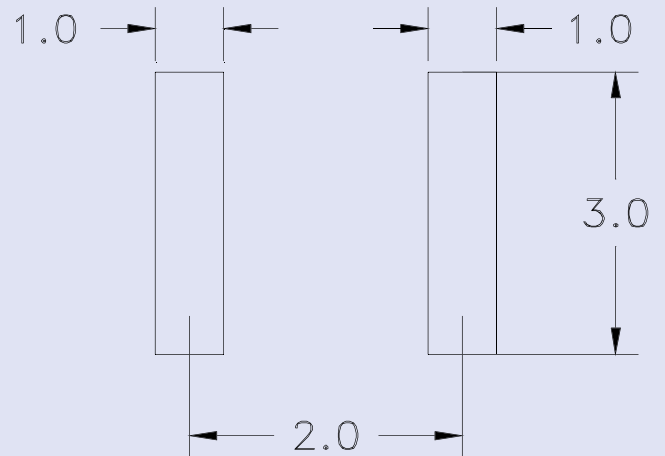


2.5 x 2.0 x 1.2mm

OUTLINE DRAWING:

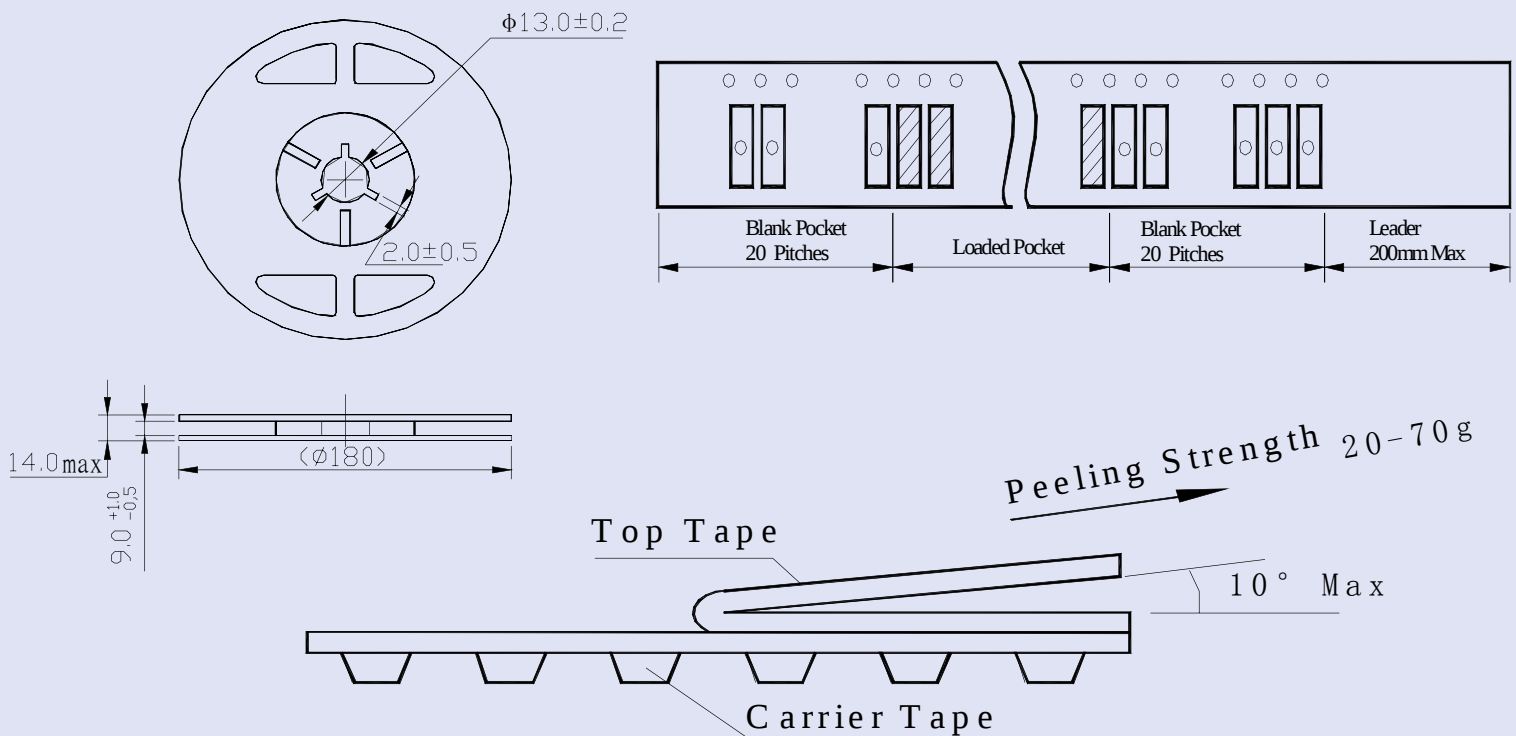


Recommended land pattern



Dimensions: mm

TAPE & REEL: T = Tape and reel 3,000pcs/reel



Dimensions: mm