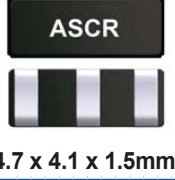


INDUSTRIAL GRADE BUILT-IN CAPACITANCE CERAMIC RESONATOR



ASCR-MX



FEATURES:

- Low resonant impedance
- Low Cost
- Built-in load capacitance
- Excellent environmental resistance
- Reflow capable

APPLICATIONS:

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

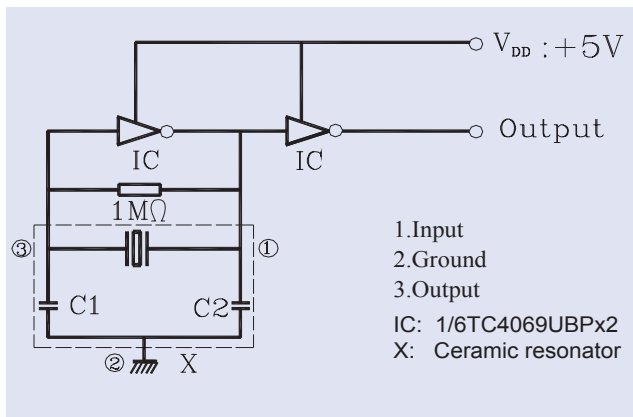
ELECTRICAL SPECIFICATIONS:

Item	Requirement
Frequency Range	8.00MHz to 50.00MHz
Resonant Impedance	See Table 2.1
Frequency Tolerance and stability	See Table 2.1
Withstanding Voltage	50 (DC , 1 min)
Rating Voltage	
(1) D.C.Voltage	6 V.D.C. max
(2) A.C. Voltage	15 Vp-p. max
Load Capacitance	See Table 2.2 for standard See Option Code for options
Insulation Resistance	100MΩ min. (10V, 1min)
Operation Temperature	See Table 2.1
Storage Temperature	-55°C to +85°C
Aging Rate (Fosc)	±0.3% max. (10 years)

Table 2.1

Part Number (XX.XX denotes freq. in MHz)	Frequency Tolerance at 25°C	Frequency Stability at Operating Temp.	Operating Temperature	Resonant Impedance (Ω) max
ASCR-XX.XXMXS 8.00 MHz - 13.00 MHz 13.01 MHz - 50.00 MHz	±0.5%	± 0.3%	-20° to +80°C	30 40
ASCR-XX.XXMXD 8.00 MHz - 13.00 MHz 13.01 MHz - 50.00 MHz	±0.5%	± 0.5%	-40° to +85°C	30 40
ASCR-XX.XXMXA 8.00 MHz - 13.00 MHz 13.01 MHz - 50.00 MHz	±0.5%	± 0.7%	-40° to +125°C	30 40

TEST CIRCUIT and CONDITION:



Parts shall be tested under the condition (Temp.: 20 ±3°C, Humidity: 65±20% R.H.) unless the standard condition

(Temp: 25±3°C, Humidity: 65±5% R.H.) is regulated to measure

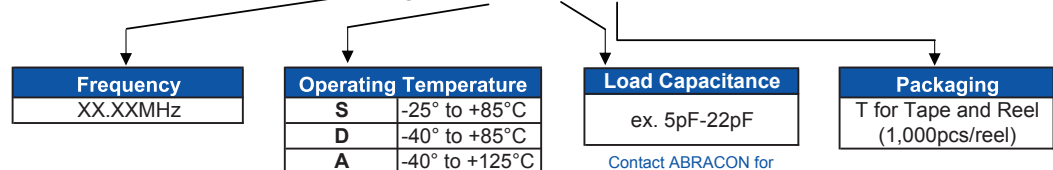
Table 2.2

Freq (MHz)	C1=C2 pf (±20%)
8.00~13.00	22
13.01~16.00	22
16.01~40.00	15
40.01~50.00	5

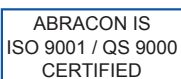
OPTIONS AND PART IDENTIFICATION:

(Left blank if standard)

ASCR - Frequency- MX□ - C□□ - □



Contact ABRACON for Load Capacitance options



INDUSTRIAL GRADE BUILT-IN CAPACITANCE CERAMIC RESONATOR

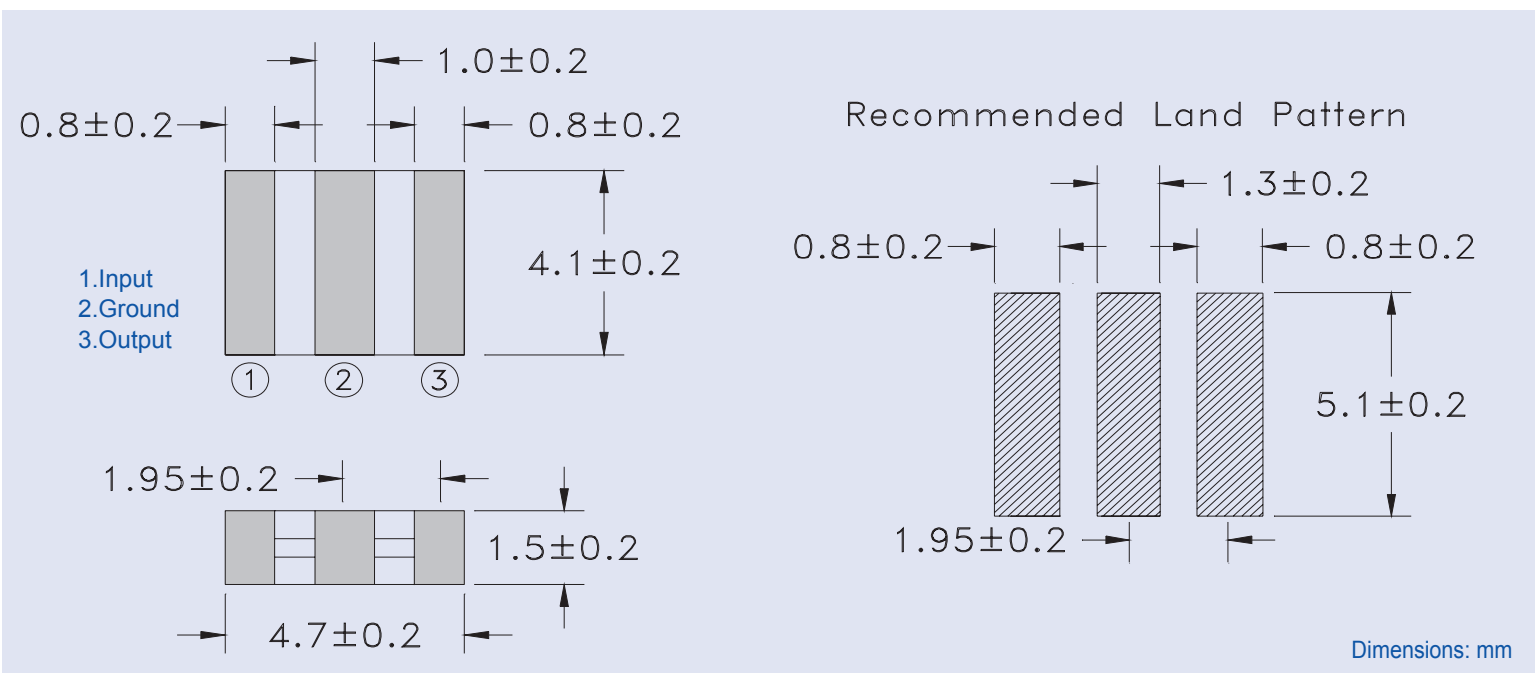


4.7 x 4.1 x 1.5mm

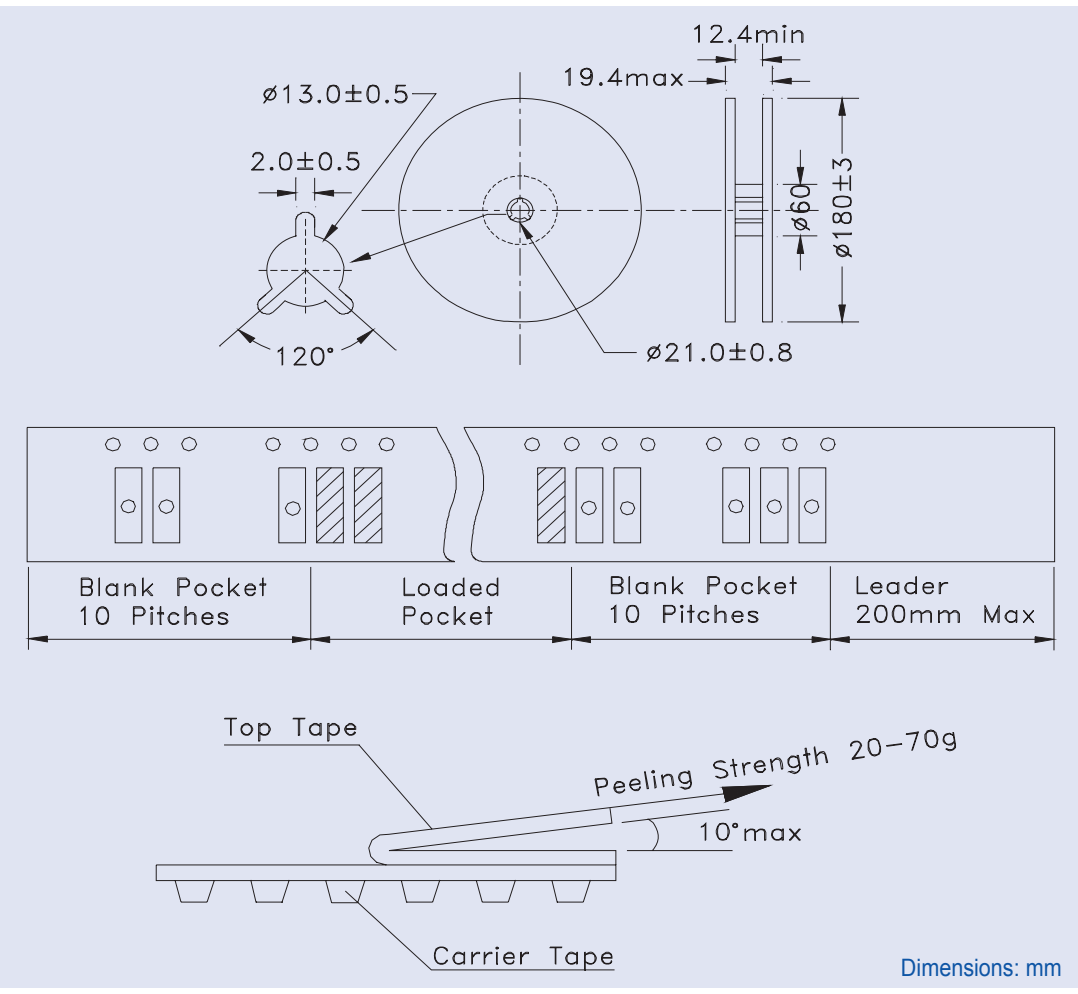
ASCR-MX

Pb RoHS Compliant

OUTLINE DRAWING:



TAPE & REEL: T = Tape and reel 1,000pcs/reel



ABRACON IS
ISO 9001 / QS 9000
CERTIFIED



Visit www.abracon.com for Terms & Conditions of Sale **Revised: 12.17.07**
30332 Esperanza, Rancho Santa Margarita, California 92688
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