

INDUSTRIAL GRADE BUILT-IN CAPACITANCE CERAMIC RESONATOR

AWSCR



3.2 x 1.3 x 1.2 mm

AWSCR-ME

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

RoHS
Compliant

FEATURES:

- Low resonant impedance
- High stability type
- Excellent environmental resistance
- Reflow capable
- Industrial grade
- Built-in load capacitance

APPLICATIONS:

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

ELECTRICAL CHARACTERISTICS:

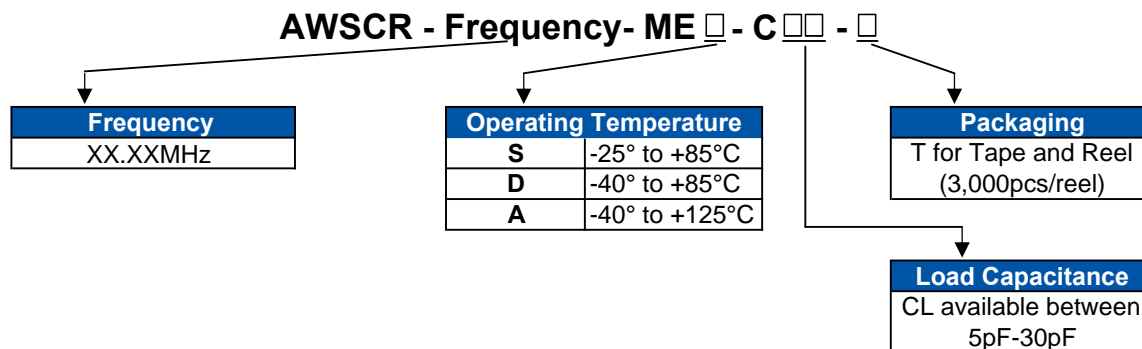
Item	Requirement
Frequency Range	8.00MHz to 12.00 MHz
Resonant Impedance	40Ω max.
Frequency Tolerance and Stability	See Table 2.1
Withstanding Voltage	50 (DC , 1 min)
Rating Voltage	
(1) D.C.Voltage	6 V.D.C. max
(2) A.C. Voltage	15 Vp-p. max
Load Capacitance	15pF±20% (C1=C2=pF) (see options)
Insulation Resistance	100MΩ min. (100V, 1min)
Operating Temperature	See Table 2.1
Storage Temperature	-55°C to +85°C
Aging Rate (Fosc)	±0.2% 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
AWSCR-XX.XX-MES 8.00 MHz - 12.00 MHz	±0.5%	± 0.3%	-25° to +85°C	40
AWSCR-XX.XX-MED 8.00 MHz - 12.00 MHz	±0.5%	± 0.5%	-40° to +85°C	40
AWSCR-XX.XX-MEA 8.00 MHz - 12.00 MHz	±0.5%	± 0.7%	-40° to +125°C	40

OPTIONS & PART IDENTIFICATION:

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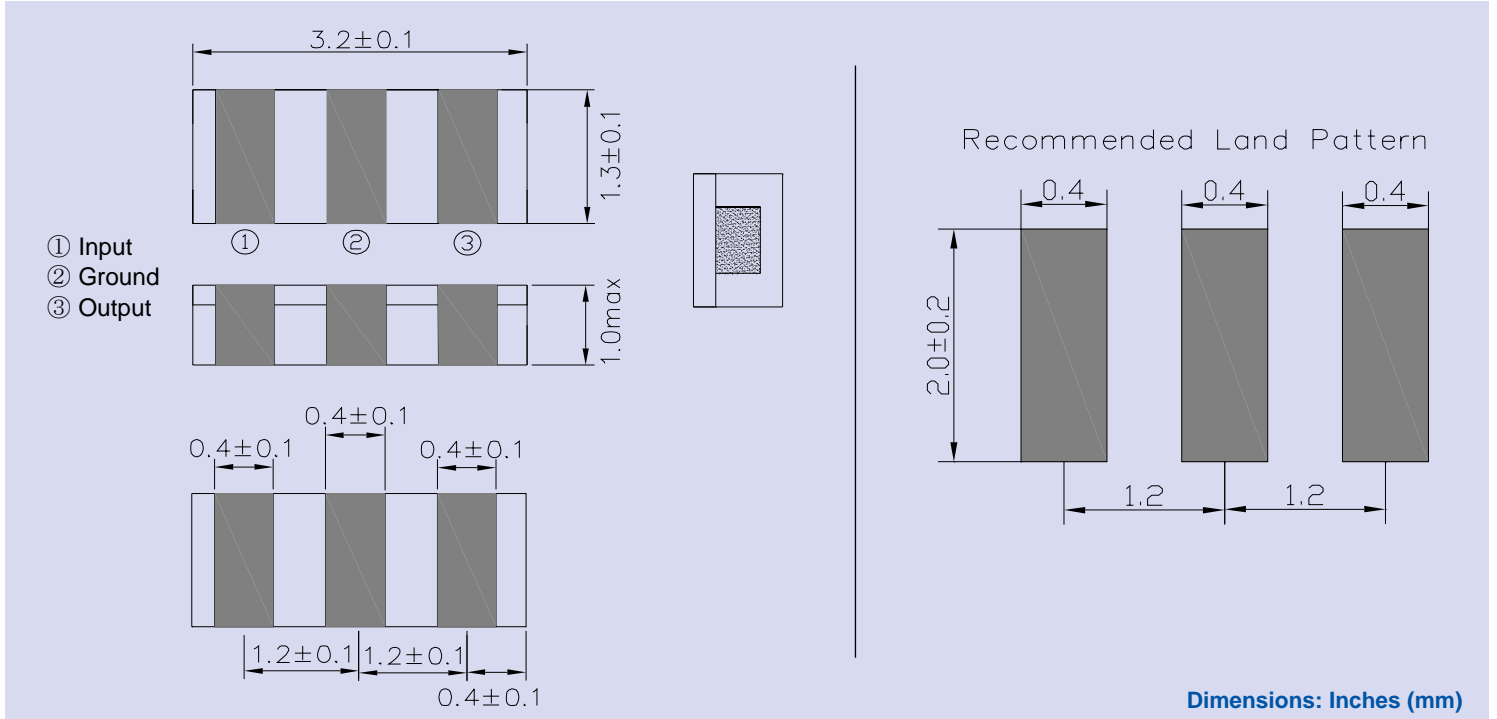
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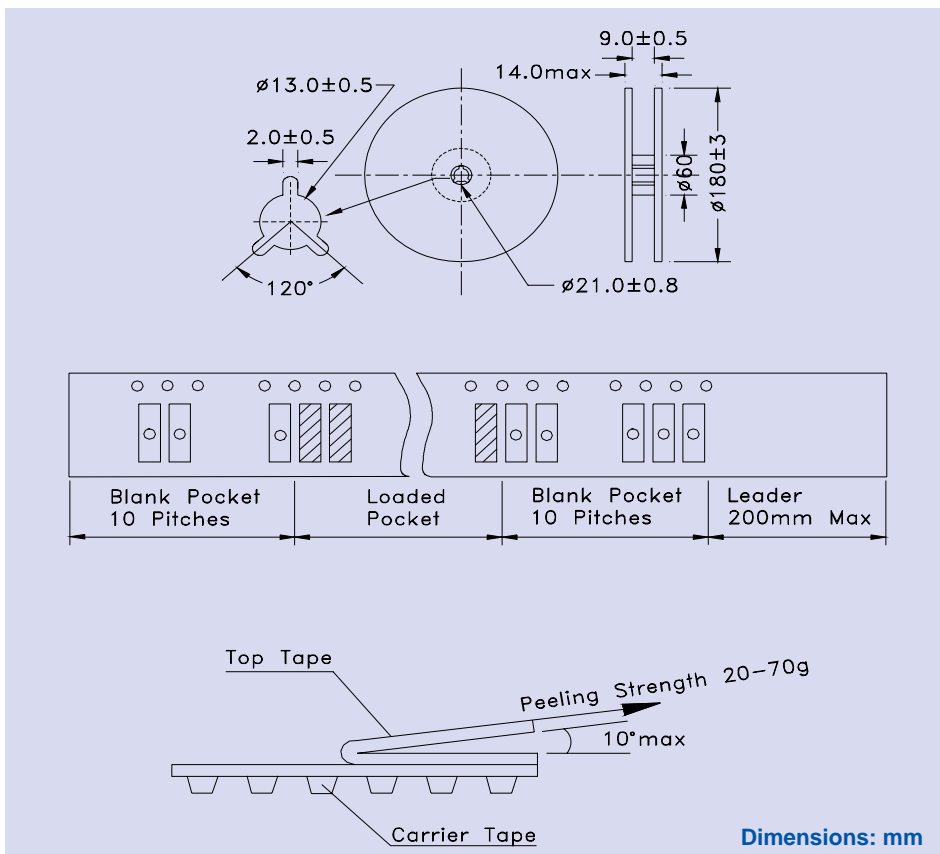
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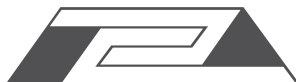
OUTLINE DRAWING:



TAPE & REEL:



ABRACON IS
ISO 9001 / QS 9000
CERTIFIED



ABRACON
CORPORATION

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