

CERAMIC RESONATOR (CERALOCK®)



KHz Band SMD Ceramic Resonator **CSBF** Series (CERALOCK®)

Can be reflow soldered and mounted by automatic placers.

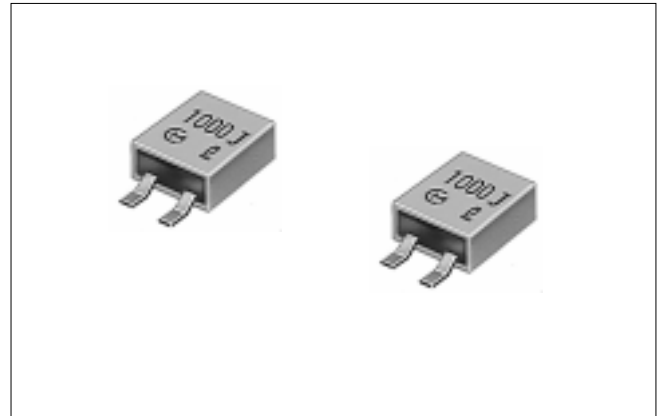
MURATA's original package technologies have enabled the development of the KHz band CERALOCK®. The series is perfect in miniature remote control units and A. V. modules.

■FEATURES

1. The series withstands reflow soldering.
2. The series is mountable by automatic placers.
3. Its high performance provides stable oscillation.

■APPLICATIONS

1. Clock oscillators for microprocessors.
2. OA equipment
3. AV modules



■SPECIFICATIONS

Item	Type	CSBF Series	
		CSBF□J	CSBF□J※1
Frequency Range		430—519kHz	700—1250kHz
Oscillation Frequency Initial Tolerance		±0.5%	±0.5%
Oscillation Frequency Temperature Stability※2		±0.3%	±0.3%
Aging※3		±0.3%	±0.3%
Oscillation Frequency Measuring Circuit			IC :1/6CD4069UBE×2 V _{DD} :5V (MT Series:12V) X :CERALOCK® C1,C2 :100pF Rd :5.6KΩ※4

※1 Available in several standard frequencies (ex. 700, 800, 820, 910, 983, 1000, 1200KHz)

※2 At -20°C to +80°C

※3 For 10 years at room temperature.

※4 This resistance value applies to the 700—1250 KHz range.



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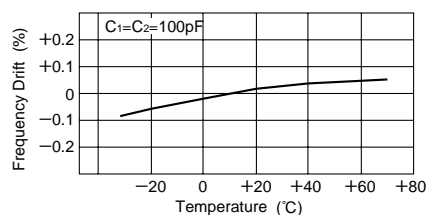
■ DIMENSIONS/STANDARD LAND PATTERN (in mm tol.:±0.3mm)

Frequency	430—519kHz	700—1250kHz
Type	CSBF□J	CSBF□J※1
Dimensions		
Standard Land Pattern		

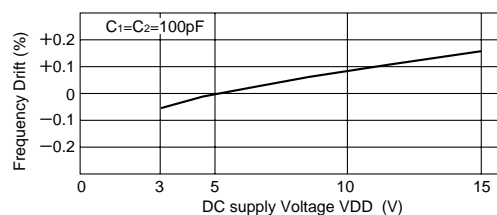
※1 Available in several standard frequencies.

■ TECHNICAL DATA

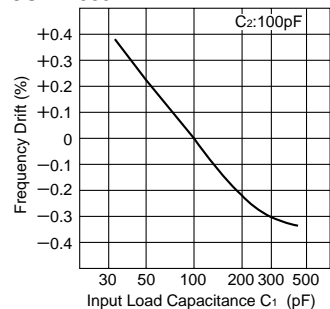
Temperature characteristics
CSBF455J



Supply voltage characteristics
CSBF455J



Input load capacitance (C₁) characteristics
CSBF455J



Output load capacitance (C₂) characteristics
CSBF455J

