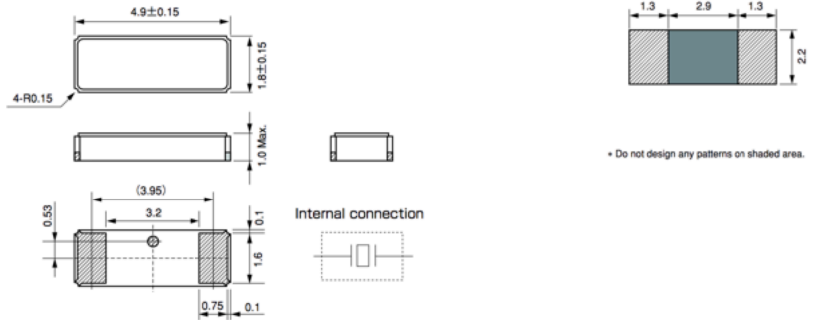


## SMD Crystal XY-Cut SMD5019



### Dimension:



Part Number:	12-0001
Description:	Q-SMD5019-C2-32.768 kHz-12.5-20-4085
Manufacturer:	Citizen
Series:	SMD5019-C2
Type:	QTS5
Dimension (mm):	4.9 x 1.8 x 1.00
Frequency:	32.768 kHz
Mode:	XY-Cut
Load Capacity CL:	12.5 pF
Frequency Tolerance at +25°C:	±20 ppm
Frequency Tolerance over Temperature:	$f \text{ (ppm)} = TC \cdot (25 \text{ °C} - T)^2$ TC: -0,034 ppm/°C <sup>2</sup> typ.; -0,040 ppm/°C <sup>2</sup> max.
Operating Temperature:	-40°C to +85°C
Storage Temperature:	-55°C to +125°C
Equivalent Series Resistance (ESR):	70 kΩ max.
Motional Capacitance C1:	-
Shunt Capacitance C0:	1.35 pF typ.
Aging:	First year ±3 ppm max.
Package Unit:	3000pcs/reel