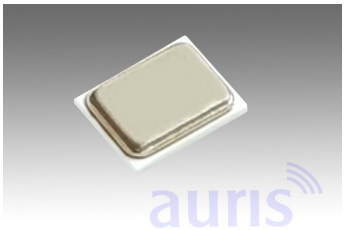
Features

- SMD
- High reliability
- More choices for quick solutions
- Ultra-thin and small leadless type

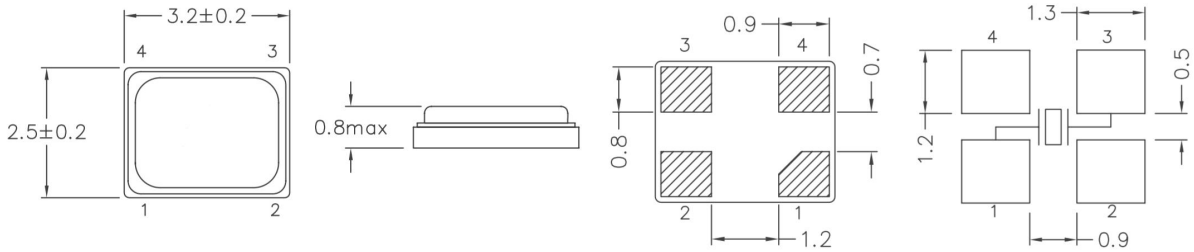
RoHS compliant
REACH compliant
Conflict mineral free



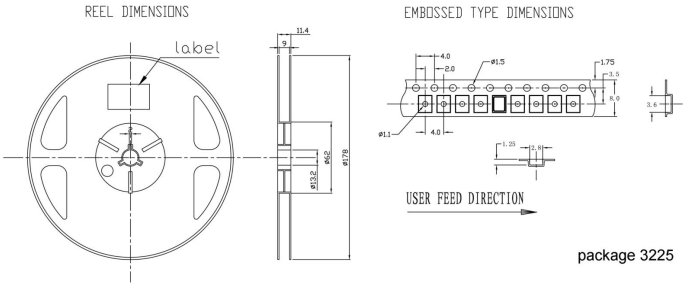
Specification

Type	CM3225/4	ESR max
Frequency Range fundamental	12,00MHz ~ 54,00MHz (AT cut)	12,0MHz ~ 20,0MHz = 120 Ohm
Frequency Range over tone		20,1MHz ~ 23,0MHz = 80 Ohm
Frequency Tolerance at 25°C±5°C	standard ±10ppm; available ±10 ~ ±30ppm	23,1MHz ~ 32,0MHz = 50 Ohm
Temperature Range	-20°C ~ +70°C, or order code	32,1MHz ~ 54,0MHz = 40 Ohm
Load Capacitance CL	standard 10pF; available 10pF ~ 50pF, SR	
Shunt Capacitance C0	2pF max.	
Aging	±5ppm/year max	
Storage Temperature	-55°C - +125°C	**Temp. Tolerance at 25°C± 5°C (ppm)**
Drive Level	100µW typ.	-20°C ~ +70°C standard ±10 available ±10 ~ ±50
RoHS	compliant	-40°C ~ +85°C standard ±20 available ±20 ~ ±50
Contents Of Reel	3000 pcs	

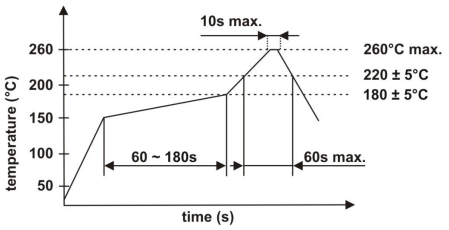
Drawing (mm)



Tape dimension (mm)



Soldering profile



Order code

Q	- 28.000000M	- CM3225/4	- F	- 30	- 30	- A	- 12	- TR
Part	**Frequency**	**Package**	**Mode of oscillation**	**Frequency tolerance**	**Temperature tolerance**	**Temperature range**	**Load capacitance**	**Option**
Q=Quartz	M=MHz	CM3225/4 /4 = 4 pads	F=fund.	±ppm (25°C)	±ppm (Temp. range)	A= 0°C ~ +70°C B= -10°C ~ +60°C C= -10°C ~ +70°C D= -20°C ~ +70°C E= -40°C ~ +85°C	pF	TR=Tape and reel X=Special options