



EU RoHS
EU RoHS
Lead
Compliant



Reach
Compliant



China
RoHS
Compliant

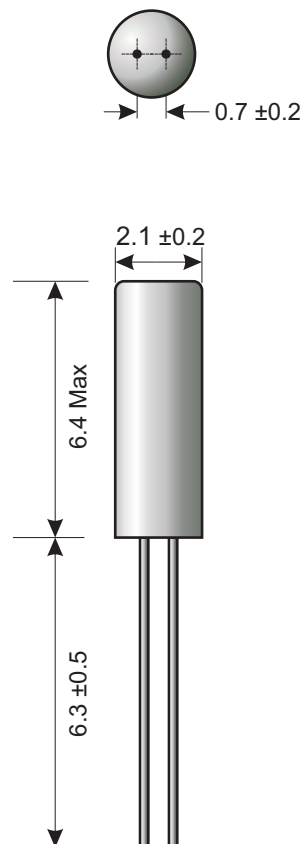


Conflict
Minerals
Free

Specifications

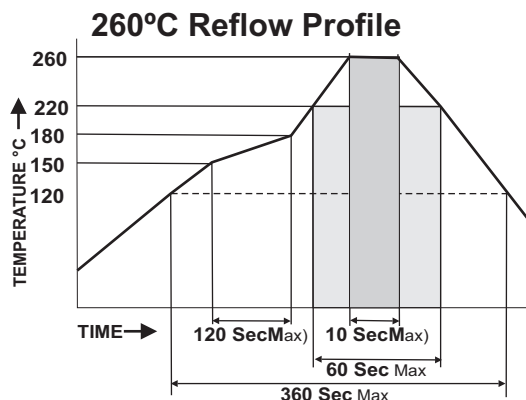
Package		C26MR - Miniature Cylinder
Frequency Range (fo)		4.000MHz ~ 50.000MHz
Mode of Operation		(See ESR Table Below)
Frequency Stability	Calib. Tol. @ 25°C	±30ppm
	Over Temp. Range	±30ppm
	Aging/Year (fa)	±3ppm
Temp. Range	Operating (TOPR)	-10°C ~ +60°C
	Storage (TSTG)	-40°C ~ +85°C
Drive Level (DL)		100mW Max
Capacitance	Load (CL)	12pF
	Shunt (CO)	5pF Max
Insulation Resistance		100MΩ @ DC100V

Dimensions (mm)

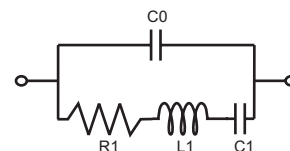


Equivalent Series Resonance (E.S.R.) Max

4.000MHz ~ 4.999MHz	AT Fund	150Ω
4.500MHz ~ 4.999MHz	AT Fund	120Ω
5.000MHz ~ 6.999MHz	AT Fund	100Ω
7.000MHz ~ 9.999MHz	AT Fund	80Ω
10.000MHz ~ 11.999MHz	AT Fund	60Ω
12.000MHz ~ 29.999MHz	AT Fund	40Ω
30.000MHz ~ 50.000MHz	AT 3rd O/T	80Ω



Equivalent Circuit



C0 Shunt Capacitance

R1 Equivalent Series Resistance

L1 Motion Inductance

C1 Motion Capacitance



Environmental And Mechanical

Temperature	10 Cycles of -30°C (30Mins), Normal (1Hr), 85°C (30Mins), Normal (1Hr)
Shock	Accelerated at 1000G for 1mS in each perpendicular axis.
Vibration	4 Cycles of 20G acceleration at 20 - 2,000Hz within 4 Minutes in each perpendicular axis.
Solder	Peak Temperature of 260°C Max for 10 Seconds with preheat of 160°C for 90±10% for 10 Seconds for a Maximum of 2 Cycles.

Part Number

C26MR - XX.XXX M-CX RX ZX-XX.X

Tolerance Stability

C1	10ppm/10ppm
C2	10ppm/20ppm
C3	10ppm/30ppm
C4	10ppm/50ppm
C5	15ppm/20ppm
C6	20ppm/20ppm
C7	20ppm/30ppm
C8	20ppm/50ppm
C10	30ppm/50ppm
SC	Cust. Stability

OP Temp

R4	-20 ~ +70°C
R6	-40 ~ +85°C
RC	Cust. Temp.

Load Cap

16	16pF Load
20	20pF Load
XX.X	Cust Load
S	Series

E.S.R

Z###	Cust. Max ESR
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→ Load Capacitance: **Default:** 12pF
 → Custom Maximum ESR Value
 → Operating Temperature Range: Options **Default:** -10°C ~ +60°C
 → Tolerance/Stability Options **Default:** ±30/30ppm
 → Frequency: 4.000MHz ~ 50.000MHz; must be specified
 → Standard RoHS Compliant 6.4 x 2.1mm (2)Pin Thru-Hole Cylinder Crystal

Example: **C26MR-17.000M** 17.000MHz, ±30/30ppm, AT-Cut fundamental Xtal with ESR of 40Ω, operating at -10°C ~ +60°C

Example: **C26MR-17.000M-C6R4** 17.000MHz, ±20/20ppm AT-Cut Fundamental Xtal with ESR of 40Ω, operating at -20°C ~ +70°C

Example: **C26MR-17.000M-C6R4-20** 17.000MHz, ±20/20ppm AT-Cut Fundamental Xtal with 20pF Load, ESR of 40Ω, operating at -20°C ~ +70°C

SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.

PLEASE CONTACT YOUR IMPACT SALES REPRESENTATIVE FOR CUSTOM SPECIFICATIONS, CURRENT INFORMATION, PRICING AND AVAILABILITY.

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