

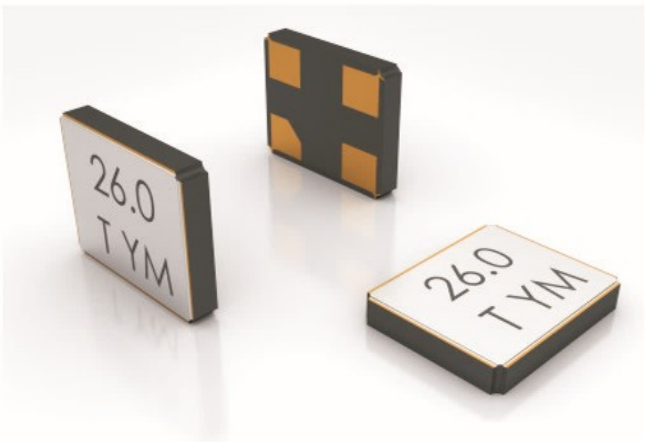
Metal Can Type

Crystals

M2520 Series

Features

- Reflow resistance type crystal units.
- Higher frequency pullability and lower equivalent series resistance.
- Lower cost and highly mass production capability.
- The best choice of TV, STB, LCDM and Cable Modem.
- RoHS Compliant / Pb Free.



Electrical Specifications

Item / Type	M2520
Frequency Range	12 ~ 54 MHz
Frequency Tolerance (at 25℃)	±10 ppm, or specify
Frequency Stability Over Operating Temperature Range	±10 ppm, or specify
Operating Temperature Range	- 10 ~ + 60 ℃ , or specify
Shunt Capacitance (C0)	5 pF Max.
Drive Level	10 μW (100 μW MAX)
Load Capacitance	Series, 10 pF, 12 pF, 16 pF or specify
Aging (at 25℃)	3 ppm / year Max.
Storage Temperature Range	- 40 ~ + 90 ℃



Equivalent Series Resistance(ESR)

Fundamental		3rd Overtone	
12.000 ~ 12.999 MHz	200 Ω Max.	35.000 ~ 66.000 MHz	40 Ω Max.
13.000 ~ 15.999 MHz	150 Ω Max.		
16.000 ~ 19.999MHz	80 Ω Max.		
20.000 ~ 29.999 MHz	60 Ω Max.		
30.000 ~ 34.999MHz	50 Ω Max.		



Dimensions

