



SMD7.0×1.5 Tuning Fork Quartz Crystal Units(idt:MC146)



■ FEATURES:

- NT CUT
- Used for computer、mobile、telecom.etc.
- Low cost and high stability

■ SPECIFICATION:

Type	SMD7.0×1.5×1.4	
Frequency Range(F0)	32.768KHz	32.00 to 100.00KHz
Vibration Mode	NT cut,Fundamental	
Equivalent Series Resistance(Rs)	65KΩ	See Table NO. 1
Frequency Tolerance@ 25±3℃(ΔF/F0)	±10 ~ ±100 PPM	
Operating Temperature Range(T _{opr})	-40 ~ +85℃	
Temperature Coefficient@ 25±3℃ (K)	-0.045 PPM/ (Δ℃) ²	
Shunt Capacitance(C0)	2.0PF Max	
Load Capacitance(CL)	12.5PF(Standard) or Specify	
Insulation Resistance(IR)	> 500MΩ at DC 100V±15V	
Drive Level(DL)	1.0μW Max	
Aging(Fa)	±3 ~ ±5PPM /Year	

● Table NO.1: Equivalent Series Resistance(ESR) :

Frequency Range(KHz)	32.00 to 40.00	40.01 to 80.00	80.01 to 100.00
ESR(KΩ)	65	40	25



