

TO5 Series Crystal Resonator

Features:

- Excellent aging performance.
- Mass production capability.
- High reliability design
- RoHS Compliant / Pb Free
- Customized as request



Specification

Item	symbol	Specification		
		Min.	Max.	Unit
Material	-	Quartz / Gold		-
Frequency	F_0	10~200		MHz
Holder	-	TO5(Cold press welding)		-
Cut / Overtone	-	SC/ 3 & 5 & 7		-
Blank Surface Finish	-	Polished(>3 μ m per side)		-
Insulation Resistance	-	500		M Ω
Turnover point	TP_1	60	120	$^{\circ}$ C
Turnover point deviation		$\pm(1\sim10)$		$^{\circ}$ C
Frequency Tolerance	-	$\pm(0.5\sim3)$		ppm
Dynamic capacitance	C_1	0.1	10	fF
Static capacitance	C_0	2	6	pF
Serial resistance	R_1	10	150	Ω
Q factor	Q	100	1300	K
Aging in year	$\Delta F/F$	$\pm(0.01\sim0.2)$		ppm
Storage temperature range	T_{stg}	-55	125	$^{\circ}$ C
Standard Frequency	MHz	10 / 20 / 60 / 80 / 100 / 125		

Dimensions:

Unit:mm

