

DATENBLATT / DATASHEET

Specification: QTC-HC52SMD

Crystal unit: HC-52-SMD

Date: 11.03.2009
ROHS compliance



Metal housing: Resistance weld
Inert gas N₂/H₂
Laser engraving

TABLE 1

ENCLOSURE	H/mm	CODE	
HC-52-SMD	8,6	08	
	7,8	09	starting with 10 MHz
	5,9	10	starting with 15 MHz

Scale 1:1

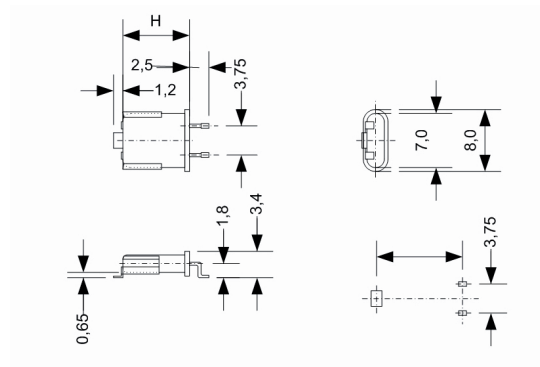


TABLE 2

5,0 ... 250 MHz		UNIT	CONDITION
Frequency range	5 - 250	MHz	
Crystal cut	AT		
Enclosure	HC-52-SMD		
Mode	1. 5 – 40 MHz 3. 20 – 100 MHz 5. 50 – 160 MHz 7. 100 – 210 MHz 9. 140 – 250 MHz		Fundamental mode 3 rd overtone 5 th overtone 7 th overtone 9 th overtone
Load capacitance	10 – 60 pF or Series	pF	
Shunt capacitance	5 – 10 MHz: < 2,5 pF 10 – 15 MHz: < 3,0 pF 15 – 250 MHz: < 4,0 pF	pF	
Motional capacitance			
Resistance R _r			see table 5
Frequency adjustment			see table 3
Frequency stability over temperature			see table 4
Aging 1 st year	< 2,0 – 3,0	ppm	
Shock	100g / 6ms		
Vibration	10 g _{SS} / 1,5 mm _{SS} 50 – 500 Hz		
Δf / f	< 5	ppm	
ΔR/R	< 20%		