Metal Can Type Crystals HC-49S SMD 9C Series





- · Surface mount type crystal units.
- · A great number of standard frequencies.
- · High frequency pullability and low equivalent series resistance.
- · Highly mass production capability.
- · The best choice of PC, STB, LCDM, and Cable Modem.
- · RoHS Compliant / Pb Free.

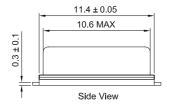
Electrical	Specif	icati	ons
			4

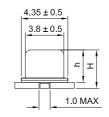
Electrical Specifications		
Item / Type	9C	
Frequency Range	3.2 ~ 90 MHz	
Frequency Tolerance (at 25 °C)	± 30 ppm, or specify	
Frequency Stability Over Operating Temperature Range	± 30 ppm, or specify	
Operating Temperature Range	- 20 \sim + 70 $^{\circ}$ C, or specify	
Shunt Capacitance (C0)	7 pF Max.	
Drive Level	1 ~ 500 μW (100 μW typical)	
Load Capacitance	Series, 16 pF, 20 pF, 30 pF, 32 pF, or specify	
Aging (at 25 ℃)	± 5 ppm / year Max.	
Storage Temperature Range	- 40 ~ + 85 °C	

Equivalent Series Resistance(ESR)

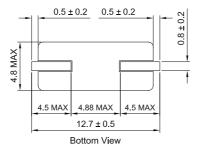
Equivalent Series Resistance(ESR)				
Fundamental		3rd Overtone		
	3.2 ~ 3.686 MHz	200 Ω Max.	27 ~ 30 MHz	100 Ω Max.
	3.686 ~ 5 MHz	150 Ω Max.	30 ~ 50 MHz	80 Ω Max.
	5 ~ 10 MHz	80 Ω Max	50 ~ 90 MHz	60 Ω Max.
	10 ~ 14 MHz	40 Ω Max.		
	14 ~ 30 MHz	30 Ω Max.		

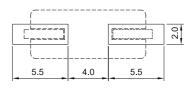
Dimensions





	TYPE	H (SMD HIGH)	h (BODY HIGH)
	S3	3.8 ± 0.3	3.3 ± 0.3
	S2	3.0 ± 0.3	2.3 ± 0.3





Top View Suggested Layout

Units: mm

Remark : Specification subject to change without prior notice. Please confirm with our sales. http://www.txccorp.com