

SMD Crystal Units Seam Sealed Ceramic Size: 1210 (1.2x1.0x0.3mm)

36MHz to 54MHz / 15ppm - 20ppm

Features

- 1210 size ultra miniature and lightweight SMD crystal units with low profifile of 0.3mm
- Frequency range from 36MHz to 54MHz
- High precision and high frequency stability
- High reliable environmental performance
- Automatic mounting and reflflow soldering
- Applications: Smartphone, SIP Module, IoT,
 Consumer Electronics, etc.
- RoHS Compliant & Pb Free



Standard Specification

Item /Type	7S (1210 Crystal)			
Frequency Range	36~54 MHz			
Frequency Tolerance	±15ppm, ±20ppm			
Frequency Stability	±15ppm, ±20ppm			
Load Capacitance	8pF, 10pF, or custom			
Operating Temperature	-40~+85°C, or custom			
Storage Temperature	-40~+85°C			
Drive Level	1~100μW (50μW Typ.) .			
Shunt Capacitance	5.0pF Max.			
Ageing (at 25°C)	±3ppm first year			
Packing Unit	3000pcs. /Reel			

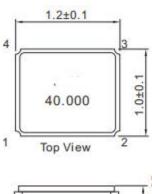
Equivalent Series Resistance

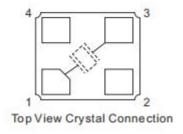
Fundamental					
36~54 MHz	150 Ω Max.				

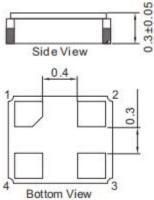
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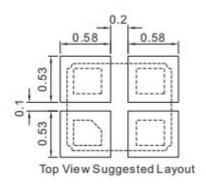
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Dimensions (mm)









Part ordering information

X	-7S	-40.000	-12.5	-20	-70	-C	-10
	Series	Frequency	Load Capacitance	Frequency tolerance	ESR	Operating Temperature	Frequency stability
		e.g.	e.g.	e.g.	e.g.	e.g.	e.g.
		40000 = 40 MHz	12 = 12 pF	20 = 20ppm	70 = 70 Ω	$A = -10 \sim +60^{\circ}$	10 = 10ppm
						B = -20~+70°C	
						C = -40~+85°C	
						D = -40~+105°C	
						E = -55~+125°C	



X-7S Series SMD Crystal Units Seam Sealed Ceramic Size: 1210 (1.2x1.0x0.3mm) 36MHz to 54MHz / 15ppm - 20ppm

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