

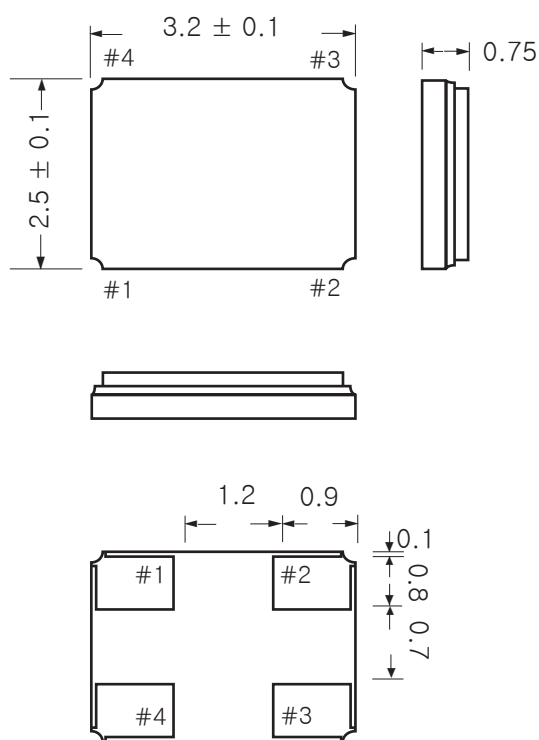
CERAMIC SMD TYPE CRYSTAL

CERAMIC SMD 3.2X2.5

Electrical Specification

SPECIFICATION			ESR			
Model	CSMX32	CSMX22	Model	CSMX32	CSMX22	
Frequency Range	12 to 50.0 MHz	16 to 50.0 MHz	Frequency	Ω		Mode
Frequency Tolerance	$\pm 30(\text{Std}), \pm 50@25^{\circ}\text{C}$		12.0 to 13.999	150	-	Fund
Frequency Stability	± 50 ppm		14.0 to 15.999	100	-	Fund
Operating Temperature	-20 to 70°C		16.0 to 19.999	80	120	Fund
Storage Temperature	-40 to 85°C		20.0 to 29.999	60	80	Fund
Shunt Capacitance	5pF MAX		30.0 to 50.000	50	50	Fund
Load Capacitance	12pF					
Drive Level	1 μ W MAX					
Aging	± 5 ppm					

Dimension



Pin Connection	
#1	X-TAL
#2	Ground
#3	X-TAL
#4	Ground