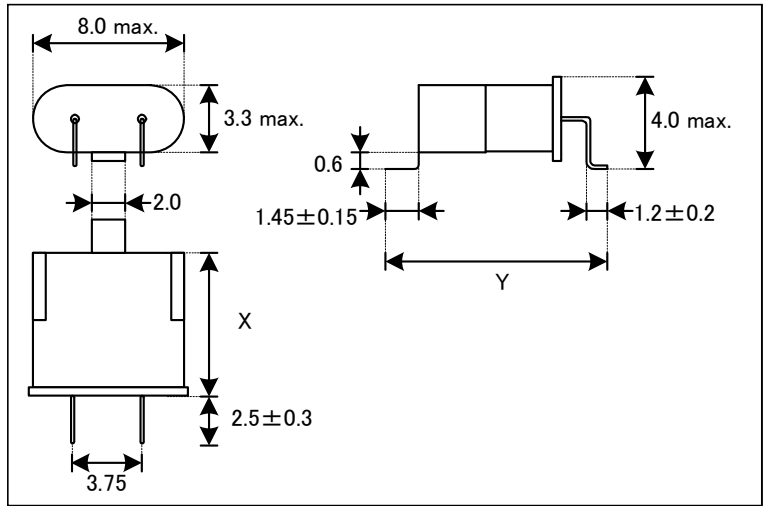


CRYSTAL UNIT	(SMD TYPE)	UM-1-SMD, UM-5-SMD, UM-4-SMD
AT-Cut SMD Type Crystal Unit (Resistance Weld)		

SPECIFICATIONS

Type No.	UM-1	UM-5	UM-4	
Frequency Range	6~250.00	10~250.00	12~250.00	MHz
Vibration Range	Fund.(6~80MHz)	Fund.(10~80MHz)	Fund.(12~80MHz)	
	3rd (25~150MHz)	3rd (30~150MHz)	3rd (40~150MHz)	
	5th(70~200MHz)	5th(70~200MHz)	5th(70~200MHz)	
	7th(140~250MHz)	7th(140~250MHz)	7th(140~250MHz)	
Frequency Tolerance @25°C	±5,±10,±15,±20			ppm
Frequency Stability (Operating Temperature)	±3,±5,±10 (-10 ~ 60°C)			
	±5,±10,±20(-20 ~ 70°C)			ppm
Equivalent Series Resistance	30(Fund.@10MHz)	40(Fund.@10MHz)	40(Fund.@10MHz)	Ω
	50(3rd @60MHz)	60(3rd @60MHz)	70(3rd @60MHz)	
	100(5th @130MHz)	120(5th @130MHz)	140(5th @130MHz)	
	140(7th@250MHz)	140(7th@250MHz)	160(7th@250MHz)	

CASE DIMENSIONS (Unit:mm)



Type	X	Y
UM-1-SMD	8.1 max.	12.5 max.
UM-5-SMD	5.8 max.	10.2 max.
UM-4-SMD	4.8 max.	9.2 max.