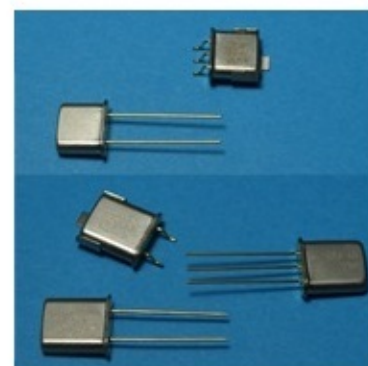
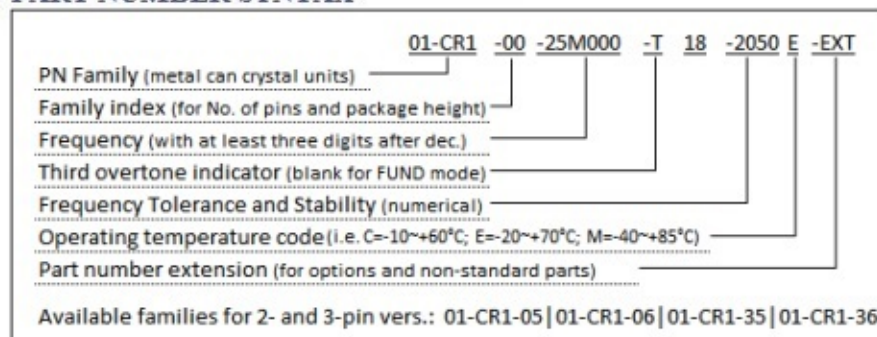


### QUARTZ CRYSTAL UNITS IN I

#### PART NUMBER SYNTAX



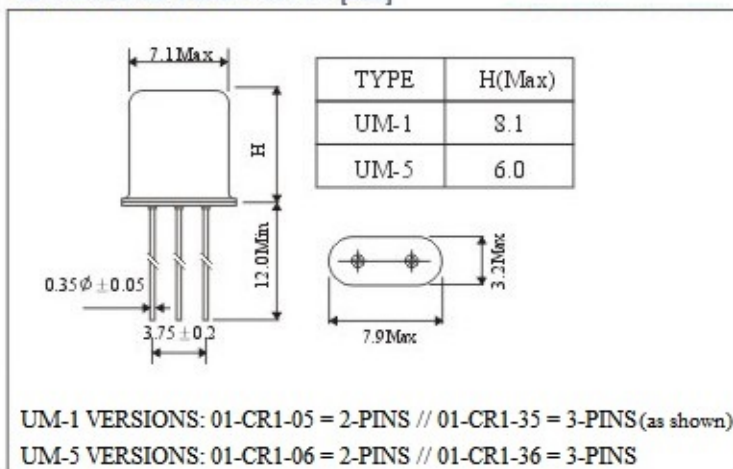
#### PRODUCT SPECIFICATIONS

Frequency Range	(Fo)	8.000MHz to 125.000MHz
Frequency Tolerance at 25°C	(Δf/fo)	±10ppm, ±15ppm, ±20ppm, ±30ppm, ±50ppm
Temperature Stability (REF To 25°C)		±10ppm, ±15ppm, ±20ppm, ±30ppm, ±50ppm
Operating Temperature Range	(TOPR)	0°C to 50°C, -10°C to 60°C, -20° to 70°C, -40°C to 85°C
Storage Temperature Range	(TSTG)	-55°C to 125°C
Shunt Capacitance	(Co)	7pF Max
Load Capacitance	(CL)	6 to 32pF or Series Resonant
Insulation Resistance		500 Mega ohms Minimum at 100VDC
Drive Level		1 mWatts Max
Aging (at 25°C)		±3ppm/year Max
Leak		2 X 10 <sup>-8</sup> cc/sec Max Helium

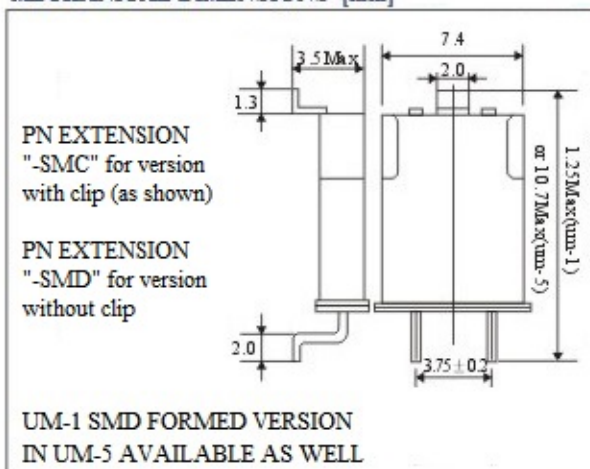
#### EQUIVALENT SERIES RESISTANCE ESR

Frequency Range	Max ESR(Ω)	Mode	Frequency Range	Max ESR(Ω)	Mode
8.000MHz to 9.999MHz	80	Fundamental	30.000MHz to 39.000MHz	50	Third Overtone
10.000MHz to 12.999MHz	50	Fundamental	40.000MHz to 99.999MHz	40	Third Overtone
13.000MHz to 19.999MHz	30	Fundamental	80.000MHz to 125.000MHz	100	Fifth Overtone
20.000MHz to 39.999MHz	25	Fundamental			

#### MECHANICAL DIMENSIONS [mm]



#### MECHANICAL DIMENSIONS [mm]



HONG KONG:

NAKAGAWA ELECTRONICS LIMITED

+852 2389 9201 sales@nkg.com.hk  
 +852 2341 0001 www.nkg.com.hk

China Shenzhen office:

深圳中川晶体电子有限公司

+86(0)755 2598 2648 sales\_sz@nkg.cn  
 +86(0)755 2598 2390 www.nkg.com.hk

China Suzhou office:

苏州纳美电子有限公司

+86(0)512 8818 7890 sales\_nm@nkg.cn  
 +86(0)512 8818 7889 www.nkg.com.hk