

A miniature resistance weld package which can be preformed into smd formats.

The UM-1 resistance weld enclosure is ideally suited for the manufacture of precision AT cut high reliability resonators. Available in a choice of three case style variants.

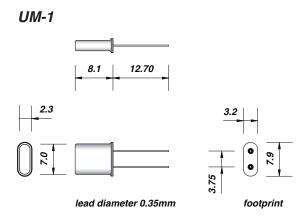
A wide frequency range combined with a dry nitrogen environment makes this an ideal choice for applications requiring miniature high quality resonators at an economic price.

Custom specified with typical data as follows:

Specification data:

Environment Quartz orientation Frequency range	dry nitrogen AT cut (6 ~ 35)MHz fundamental (15 ~ 110)MHz 3rd overtone (50 ~ 175)MHz 5th overtone (110 ~ 200)MHz 7th overtone
Adjustment tolerance	from ±3.0ppm at ref. temp. frequency dependent
Thermal stability	OCXO turn point from ±3°C TCXO from ±0.5' equivalent Ø angle XO from ±3ppm temperature dependent
Operating temperature	(-55 +125)°C custom specified
Storage temperature Load	(-40 +125)°C custom specified
Shunt capacitance C	(1.5 ~ 6.5)pF
Suggested drive level	(5 ~ 150)μW
Q factor	up to 200K, frequency,
	and mode dependent
Ageing - frequency	±0.5ppm typical, first
dependent	year max.
Insulation resistance	500Meg. Ω min. at 100Vd.c.

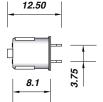
Dimensions(mm)

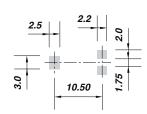


UM-1-smd







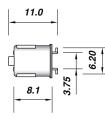


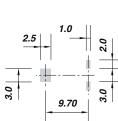
suggested land pattern

UM-1-smr









suggested land pattern



