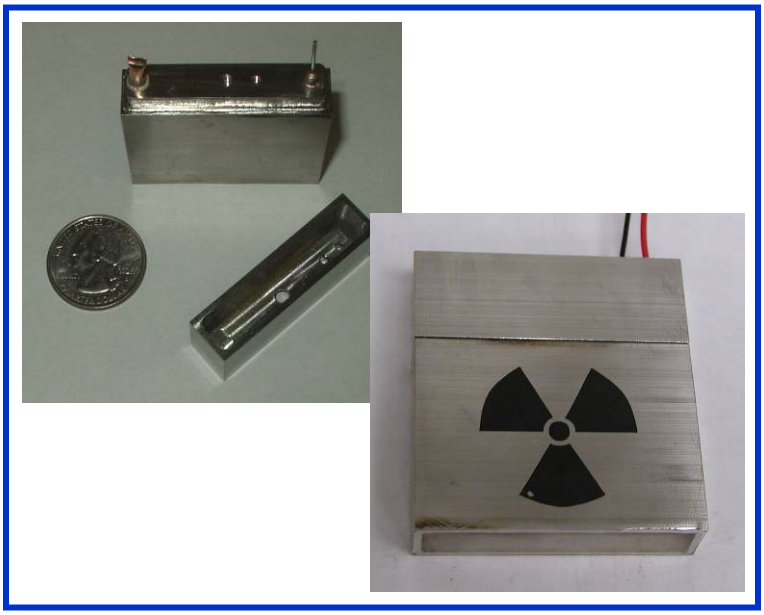
Product: ^{85}Kr QynCell
Model: KRT-2000



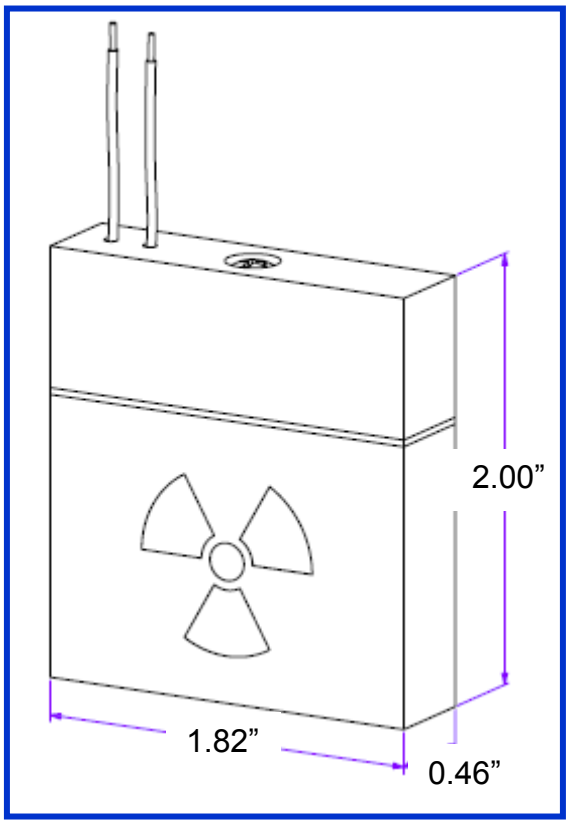
Description:

The KRT-2000 is a betavoltaic power cell filled with a mixture of argon and krypton-85 and pressurized to approx. 150 psi. The case is e-beam welded 316 SST; it is leak-tight down to 10^{-8} atm•cc/sec. Electrically, the KRT-2000 behaves like a photovoltaic, except that the current slowly decays over time (down by approx. 10× after 20 years).

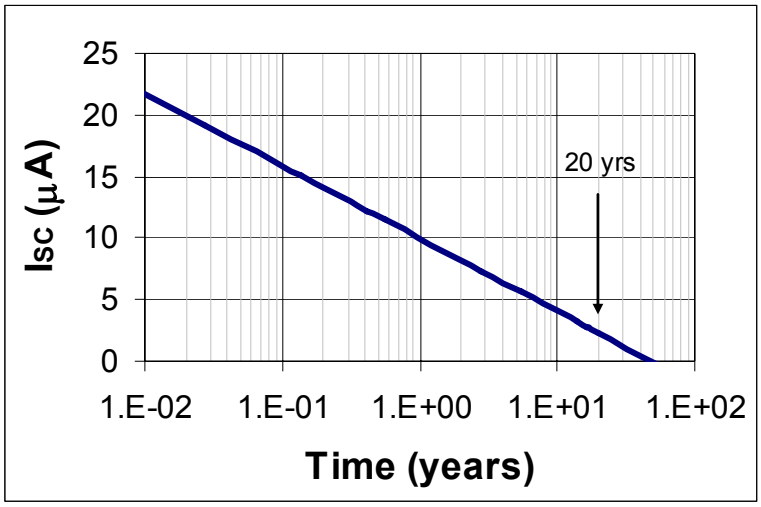
Specifications:

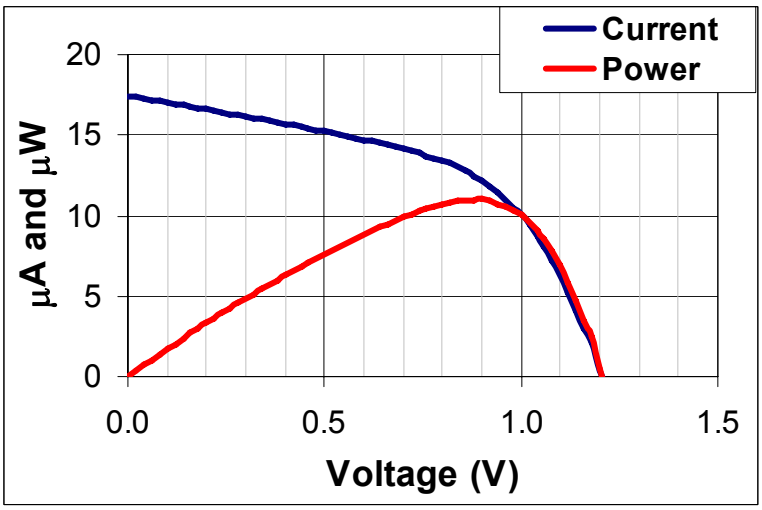
Parameter	BOL**		20 year	
	min	max	min	max
V_{OC} (V)*	1.0	1.5	1.0	1.5
I_{SC} (μA)*	20.0	25.0	2.0	2.5
Fill Factor*	0.3	0.6	0.3	0.6
P_{MAX} (μW)*	6.0	22.5	0.6	2.3
Radiation Dose Rate @ 1 m (mrem/hr)		10.0		2.5
Operating Temp (ºC)	-65	100	-65	100

* Parameters specified @ 25ºC
** BOL = beginning-of-life



Typical Data:





I_{SC} vs. temperature data coming soon