








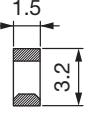
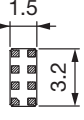
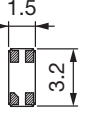






Medical Implantable Products

Product Type	CC7	RV-xxxx-C7	OV-xxxx-C7	CC8	OV-xxxx-C8	CC9	OV-xxxx-C9
Dimensions (l x w) mm	3.2 x 1.5			2.0 x 1.2		1.6 x 1.0	
							
Full Ceramic Packages  PCB Symbol, Footprint & 3D Model available on product pages on website							
	Crystal	RTC	Oscillator	Crystal	Oscillator	Crystal	Oscillator

kHz Tuning Fork Crystals

Product Type	Height mm	Frequency kHz	Frequency Tol. @ 25°C
CC7V-T1A Medical	0.90	32 - 100	±20 ppm
CC8V-T1A Medical	0.67	32 - 102.4	±20 ppm
CC8V-T1A Thin Medical	0.48	32.768	±20 ppm
CC9V-T1A Medical ¹⁾	0.55	32.768	±20 ppm

MHz AT-Cut Crystals

Product Type	Height mm	Frequency MHz	Frequency Tol. @ 25°C
CC7A-T1A Medical	0.75	14 - 50	±30 ppm
CC8A-T1A Medical	0.60	24 - 50	±30 ppm
CC9A-T1A Medical ¹⁾	0.50	24 - 50	±30 ppm

Low Frequency Clock Oscillators

Product Type	Height mm	Frequency kHz	Supply V _{DD} V	Current I _{DD} nA
OV-7604-C7 Medical	1.0	32.768	1.2 to 5.5	300
OV-7605-C8 Medical	0.85	32.768	1.6 to 5.5	450
OV-7605-C9 Medical	0.65	32.768	1.6 to 5.5	450
OV-0100-C7 Medical	1.0	100.000	1.2 to 5.5	650
OV-0100-C8 Medical	0.85	100.000	1.6 to 5.5	550

Real-Time Clock Module

Product Type	Height mm	Time Acc. @ 25°C	Supply V _{DD} V	Current I _{DD} nA
RV-5028-C7 Medical	1.0	±1 ppm	1.1 to 5.5	45

1) In qualification.

Key Features

- Hermetic full ceramic package
- Safe for Helium environment
- Proprietary manufacturing and testing processes
- Full traceability records retained

Applications

- Pacemakers
- Defibrillators
- Infusion Pumps
- Neurostimulators
- Cochlear Implants
- Smart Orthopedic Implants
- Cardiac Monitoring Devices
- Implantable Drug Delivery Pumps

