

**RTC MODULE**

MUC, Mobile Communication, DVC/DSC, SSD/HDD、IoT, Clock

Model	Dimension(mm)	Frequency p=Programable	Freq. Stability	Operating Temp. Range	Current Consumption	LDD min. / max.	Number of Pads	INTERFACE
RV-3032-C7	3.2 x 1.5 x 0.8	1Hz~52MHz	± 3ppm	-40~+85°C	160nA typ.	1.2 / 5.5V	8	I2C
RV-3028-C7	3.2 x 1.5 x 0.8	32.768KHz~1Hz(P)	-0.035ppm/°C <sup>2</sup>	-40~+85°C	45nA typ.	1.1 / 5.5V	8	I2C
RV-8803-C7	3.2 x 1.5 x 0.8	32768, 1024, 1Hz	± 3ppm	-40~+85°C	240nA typ.	1.5 / 5.5V	8	I2C
RV-8263-C7	3.2 x 1.5 x 0.8	32.768KHz~1Hz(P)	-0.035ppm/°C <sup>2</sup>	-40~+85°C	190nA typ.	0.9 / 5.5V	8	I2C
RV-4162-C7	3.2 x 1.5 x 0.8	32.768KHz~1Hz(P)	-0.035ppm/°C <sup>2</sup>	-40~+85°C	350nA typ.	1.0 / 4.4V	8	I2C
RV-5028-C7 MEDICAL	3.2 x 1.5 x 1.0	32.768KHz~1Hz(P)	-0.035ppm/°C <sup>2</sup>	-40~+85°C	45nA typ.	1.1 / 5.5V	8	I2C
RV-1805-C3	3.7 x 2.5 x 0.9	32.768KHz~1/60Hz	± 2.5ppm@25°C	-40~+85°C	60nA typ.	1.1 / 3.6V	10	I2C
RV-8523-C3	3.7 x 2.5 x 0.9	32.768KHz~1Hz(P)	± 20ppm@25°C	-40~+85°C	130nA typ.	1.2 / 5.5V	10	I2C
RV-3129-C3	3.7 x 2.5 x 0.9	32768, 1024, 32, 1Hz	± 6ppm	-40~+85°C	800nA typ.	1.3 / 5.5V	10	I2C
RV-3149-C3	3.7 x 2.5 x 0.9	32768, 1024, 32, 1Hz	± 6ppm	-40~+85°C	800nA typ.	1.3 / 5.5V	10	SPI
RV-3049-C3	3.7 x 2.5 x 0.9	32768, 1024, 32, 1Hz	± 6ppm	-40~+85°C	800nA typ.	1.3 / 5.5V	10	SPI
RV-3049-C2	5.0 x 3.2 x 1.2	32768, 1024, 32, 1Hz	± 6ppm	-40~+85°C	800nA typ.	1.3 / 5.5V	10	SPI
INS5902A	3.2 x 2.5 x 1.0	32.768KHz	± 2ppm	-40~+85°C	700nA typ.	1.6 / 5.5V	10	I2C
INS5902B	3.2 x 2.5 x 1.0	32.768KHz	± 5ppm	-40~+85°C	700nA typ.	1.6 / 5.5V	10	I2C
INS5902C	3.2 x 2.5 x 1.0	32.768KHz	± 10ppm	-40~+85°C	700nA typ.	1.6 / 5.5V	10	I2C
INS5699	3.2 x 2.5 x 1.0	32.768KHz	± 5ppm	-40~+85°C	500nA typ.	1.6 / 5.5V	10	I2C
Please contact us if you have a specific requirement that is not on the list.								

### 32.768KHz Crystal Units

Model	Dimension(mm)	Frequency	Freq. Stability	Operating Temp. Range	Shunt Capacitance	Number of Pads	(ESR)
RTF1610	1.6 x 1.0 x 0.5	32.768KHz	-0.03ppm/°C <sup>2</sup>	-40~+85°C	6.0fF typ.	2	90K max.
RTF2012	2.0 x 1.2 x 0.5	32.768KHz	-0.03ppm/°C <sup>2</sup>	-40~+85°C	5.0fF typ.	2	80K max.
RTF3215	3.2 x 1.5 x 0.5	32.768KHz	-0.03ppm/°C <sup>2</sup>	-40~+85°C	4.7fF typ.	2	70K max.
CM9V-T1A0.3	1.6 x 1.0 x 0.35	32.768KHz	-0.035ppm/°C <sup>2</sup>	-55~+125°C (OP)	6.0fF typ.	2	90K max.
CM9V-T1A	1.6 x 1.0 x 0.5	32.768KHz	-0.035ppm/°C <sup>2</sup>	-55~+125°C (OP)	6.3fF typ.	2	75K max.
CM8V-T1A0.3	2.0 x 1.2 x 0.35	32.768KHz	-0.035ppm/°C <sup>2</sup>	-55~+125°C (OP)	4.7fF typ.	2	90K max.
CM8V-T1A	2.0 x 1.2 x 0.6	32.768KHz	-0.035ppm/°C <sup>2</sup>	-55~+125°C (OP)	4.7fF typ.	2	70K max.
CM8V-T1A MEDICAL	2.0 x 1.2 x 0.67	32, 32.768, 100, 102.4KHz	-0.035ppm/°C <sup>2</sup>	-55~+125°C (OP)	3.0~4.7fF typ.	2	20K~70K max.
CM8V-T1A THIN MEDICAL	2.0 x 1.2 x 0.48	32.768KHz	-0.035ppm/°C <sup>2</sup>	-55~+125°C (OP)	4.7fF typ.	2	90K max.
CM7V-T1A0.3	3.2 x 1.5 x 0.35	32.768KHz	-0.035ppm/°C <sup>2</sup>	-55~+125°C (OP)	3.6fF typ.	2	60K max.
CM7V-T1A LOW ESR	3.2 x 1.5 x 0.65	32.768KHz	-0.035ppm/°C <sup>2</sup>	-55~+125°C (OP)	4.7fF typ.	2	50K max.
CM7V-T1A	3.2 x 1.5 x 0.65	32.768KHz	-0.035ppm/°C <sup>2</sup>	-55~+125°C (OP)	3.7fF typ.	2	70K max.
CM7V-T1A MEDICAL	3.2 x 1.5 x 0.9	32, 32.768, 100 KHz	-0.035ppm/°C <sup>2</sup>	-55~+125°C (OP)	1.3~3.7fF typ.	2	20K~70K max.
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### Crystal Filter

Model	Package Type	Frequency	Bandwidth	Operating Temp. Range	Insertion Loss	Stopband Width	Number of Pole
RKF-3	DIL	3~250MHz	0.001~1%	-45~+90°C	2.0dB min.	100dB max.	1~12
RKF-2	SMD / DIL	3~30MHz	0.3~1.2%	-45~+90°C	2.0dB min.	100dB max.	2~8
RKF-1	SMD / DIL	10~30MHz	0.5~5%	-45~+90°C	2.0dB min.	100dB max.	2~8
FTF-4	DIL	5~150MHz	0.001~1%	-20~60°C	2~8dB min.	100dB max.	2~8
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