

EPSON TOYOCOM Crystals



This product is RoHS compliant.

CYLINDER TYPE KHZ CRYSTALS

Specifications:

- Frequency range: 32.768KHz (20KHz to 307.2KHz)
- Operating temperature: -10°C to +60°C

Applications:

- Clock and microcomputer



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Model	DIMENSIONS: mm				
	L1	L2	D1	D2	B
C-001R	8.0 max.	9.0 min.	ø3.1 max.	ø0.3	1.1
C-002RX, C-2-TYPE	6.0 max.	4.0 min.	ø2.0 max.	ø0.2	0.7
C-004R	5.0 max.	4.0 min.	ø1.5 max.	ø0.18	0.5
C-005R	4.6 max.	4.0 min.	ø1.2 max.	ø0.15	0.3

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Epson Toyocom Part No.	Fig.	Frequency (KHz)	Load Capacitance (pF)	Price Each				
					1	10	50	100	500
732-C001R32.76K-APB	C-001R 32.7680K-A:PBFFREE	A	32.768000	12.5	.32	.27	.225	.18	.149
732-C002RX32.76K-APB	C-002RX 32.7680K-A:PBFFREE	A	32.768000	12.5	.32	.27	.225	.18	.149
732-C002RX32.76K-EPB	C-002RX 32.7680K-E:PBFFREE	A	32.768000	6	.32	.27	.225	.18	.149
732-C004R32.76K-APB	C-004R 32.7680K-A:PBFFREE	A	32.768000	12.5	1.61	1.38	1.15	.92	.763
732-C005R32.76K-ACPB	C-005R 32.7680K-AC:PBFFREE	A	32.768000	9	6.58	5.64	4.70	3.76	3.12
732-C-2100.0000K-PPB	C-2 100.0000K-P:PBFFREE	A	100.000000	11	1.72	1.47	1.22	.98	.846
732-C-2120.0000K-PPB	C-2 120.0000K-P:PBFFREE	A	120.000000	11	1.72	1.47	1.22	.98	.846
732-C-2149.4750K-PPB	C-2 149.4750K-P:PBFFREE	A	149.475000	11	2.07	1.77	1.47	1.18	1.02
732-C-220.0000K-PPB	C-2 20.0000K-P:PBFFREE	A	20.000000	11	1.44	1.23	1.02	.82	.68
732-C-225.6000K-PPB	C-2 25.6000K-P:PBFFREE	A	25.600000	11	1.44	1.23	1.02	.82	.68
732-C-231.2500K-PPB	C-2 31.2500K-P:PBFFREE	A	31.250000	11	1.44	1.23	1.02	.82	.68
732-C-232.0000K-PPB	C-2 32.0000K-P:PBFFREE	A	32.000000	11	1.44	1.23	1.02	.82	.68
732-C-238.4000K-PPB	C-2 38.4000K-P:PBFFREE	A	38.400000	11	1.44	1.23	1.02	.82	.68
732-C-240.0000K-PPB	C-2 40.0000K-P:PBFFREE	A	40.000000	11	1.44	1.23	1.02	.82	.68
732-C-260.0000K-PPB	C-2 60.0000K-P:PBFFREE	A	60.000000	11	1.44	1.23	1.02	.82	.68
732-C-265.5350K-PPB	C-2 65.5350K-P:PBFFREE	A	65.535000	11	1.44	1.23	1.02	.82	.68
732-C-276.8000K-PPB	C-2 76.8000K-P:PBFFREE	A	76.800000	11	1.44	1.23	1.02	.82	.68
732-C-296.0000K-PPB	C-2 96.0000K-P:PBFFREE	A	96.000000	11	1.72	1.47	1.22	.98	.813

CYLINDER TYPE MHZ CRYSTALS

Specifications:

- Frequency range: 4.0MHz to 64.0MHz

Applications:

- For clock of integrated circuit



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For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Epson Toyocom Part No.	Fig.	Frequency (MHz)	Package DxL (mm)	Price Each				
					1	10	50	100	500
732-CA30110.0M-CPB	CA-301 10.0000M-C:PBFFREE	B	10.000000	3.1x8.9	1.12	.96	.80	.65	.531
732-CA30110.24M-CPB	CA-301 10.2400M-C:PBFFREE	B	10.240000	3.1x8.9	1.12	.96	.80	.65	.531
732-CA30111.05M-CPB	CA-301 11.0592M-C:PBFFREE	B	11.059200	3.1x8.9	1.12	.96	.80	.65	.531
732-CA30112.00M-CPB	CA-301 12.0000M-C:PBFFREE	B	12.000000	3.1x8.9	1.12	.96	.80	.65	.531
732-CA30112.28M-CPB	CA-301 12.2880M-C:PBFFREE	B	12.288000	3.1x8.9	1.12	.96	.80	.65	.531
732-CA30114.318M-CPB	CA-301 14.31818M-C:PBFFREE	B	14.318180	3.1x8.9	1.12	.96	.80	.65	.531
732-CA30114.74M-CPB	CA-301 14.7456M-C:PBFFREE	B	14.745600	3.1x8.9	1.12	.96	.80	.65	.531
732-CA30116.00M-CPB	CA-301 16.0000M-C:PBFFREE	B	16.000000	3.1x8.9	1.12	.96	.80	.65	.531
732-CA30118.43M-CPB	CA-301 18.4320M-C:PBFFREE	B	18.432000	3.1x8.9	1.12	.96	.80	.65	.531
732-CA30120.00M-CPB	CA-301 20.0000M-C:PBFFREE	B	20.000000	3.1x8.9	1.12	.96	.80	.65	.531
732-CA30122.11M-CPB	CA-301 22.1184M-C:PBFFREE	B	22.118400	3.1x8.9	1.12	.96	.80	.65	.531
732-CA30124.00M-CPB	CA-301 24.0000M-C:PBFFREE	B	24.000000	3.1x8.9	1.12	.96	.80	.65	.531
732-CA30125.00M-CPB	CA-301 25.0000M-C:PBFFREE	B	25.000000	3.1x8.9	1.12	.96	.80	.65	.531
732-CA30133.00M-CPB	CA-301 33.0000M-C:PBFFREE	B	33.000000	3.1x8.9	2.49	2.13	1.77	1.42	1.17
732-CA3014.0000M-CPB	CA-301 4.0000M-C:PBFFREE	B	4.000000	3.1x9.1	2.49	2.13	1.77	1.42	1.17
732-CA3014.194M-CPB	CA-301 4.194304M-C:PBFFREE	B	4.194304	3.1x9.1	2.49	2.13	1.77	1.42	1.17
732-CA3014.9152M-CPB	CA-301 4.9152M-C:PBFFREE	B	4.915200	3.1x9.1	2.49	2.13	1.77	1.42	1.17
732-CA30140.00M-CPB	CA-301 40.0000M-C:PBFFREE	B	40.000000	3.1x8.9	2.49	2.13	1.77	1.42	1.17
732-CA3015.5000M-CPB	CA-301 5.5000M-C:PBFFREE	B	5.500000	3.1x9.1	2.49	2.13	1.77	1.42	1.17
732-CA3016.000M-CPB	CA-301 6.0000M-C:PBFFREE	B	6.000000	3.1x8.9	2.49	2.13	1.77	1.42	1.17
732-CA3016.1440M-CPB	CA-301 6.1440M-C:PBFFREE	B	6.144000	3.1x8.9	2.49	2.13	1.77	1.42	1.17
732-CA3017.200M-CPB	CA-301 7.2000M-C:PBFFREE	B	7.200000	3.1x8.9	2.49	2.13	1.77	1.42	1.17
732-CA3017.372M-CPB	CA-301 7.3720M-C:PBFFREE	B	7.372000	3.1x8.9	2.49	2.13	1.77	1.42	1.17
732-CA3018.000M-CPB	CA-301 8.0000M-C:PBFFREE	B	8.000000	3.1x8.9	2.49	2.13	1.77	1.42	1.17
732-CA3018.432M-CPB	CA-301 8.4320M-C:PBFFREE	B	8.432000	3.1x8.9	2.49	2.13	1.77	1.42	1.17
732-CA3019.830M-CPB	CA-301 9.8300M-C:PBFFREE	B	9.830000	3.1x8.9	2.49	2.13	1.77	1.42	1.17

ULTRA MINIATURE SIZE, LOW PROFILE, SMD, MHZ RANGE CRYSTAL UNITS

Specifications:

- Case size: 5mm x 2.0mm x .55mm
- Frequency range: 12MHz to 48MHz

Applications:

- Mobile phone, Bluetooth, W-LAN, ISM band radio, clock for MPU



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MOUSER STOCK NO.	Epson Toyocom Part No.	Fig.	Frequency (MHz)	Load Capacitance (pF)	Price Each				
					1	10	50	100	500
732-FA-20H20L81ZAC3	FA-20H 20.0000ML81Z-AC3	C	20.000000	9	4.35	3.62	3.26	3.13	2.03
732-FA-20H26L81ZAC3	FA-20H 26.0000ML81Z-AC3	C	26.000000	9	4.35	3.62	3.26	3.13	2.03

LOW PROFILE, SMD, KHZ RANGE CRYSTAL UNITS

Specifications:

- Frequency range: 22.0KHz to 100KHz

Applications:

- Small communication devices



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For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Epson Toyocom Part No.	Fig.	Package LxWxH (mm)	Frequency (KHz)	Load Capacitance (pF)	Price Each				
						1	10	50	100	500
732-FC-13532.76KAA0	FC-135 32.7680KA-A0	D	3.2x1.5x.8	32.768	12.5	2.98	2.55	2.12	1.91	1.70
732-FC-25532.76KA3	FC-255 32.7680K-A3	E	4.9x1.8x.8	32.768	12.5	1.86	1.59	1.32	1.19	.85
732-MC14632.76KA-A0R	MC-146 32.7680KA-A0 ROHS	F	7.0x1.5x1.4	32.768	12.5	1.40	1.20	1.00	.90	.80
732-MC14632.76KAAC3R	MC-146 32.768KA-AC3:ROHS	F	7.0x1.5x1.4	32.768	9	1.40	1.20	1.00	.90	.80
732-MC15632.76KAA0R	MC-156 32.7680KA-A0:ROHS	G	7.1x3.3x1.5	32.768	12.5	1.30	1.11	.92	.83	.74

