

Crystals, Fuse Holders & Clips

3 LEVELS OF SAVINGS
NAME BRANDS HOUSE BRANDS FACTORY OVERRUN

FOX SMD Oscillator

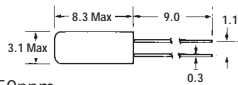
5.0V HCMOS/TTL output

- Frequency stability: ±100ppm
- Dimensions: 7.5mmW x 1.5mmH x 5.2mmD

Part No.	Mfr. Part No.	Freq. (MHz)	Imped.	Pricing		
				1	10	100
1592263	F3345-200	20	25mA	\$1.59	\$1.39	\$1.19

Tuning Forks

- Operating temperature range: -10°C to +60°C
- Frequency: 32.768kHz
- Drive level: 1mW
- Frequency tolerance: ±50ppm
- Aging for first year: ±3ppm (max. +25°C)



Part No.	Comparable to:	Imped.	1	10	100
14584	CY32.76	10.5pF	\$.35	\$.29	\$.25
325244	JVP-325243	12.5pF	.35	.29	.25

Crystal Oscillator Sockets

- Good for prototyping and PCB mounting
- Can be PCB mounted without the modifications that would be needed with DIP-IC sockets
- Low profile solder tail; machine tooled on 4 pins



Part No.	Description	*Web Code: COS	1	10	100
676385	8-pos. socket for half can		\$.45	\$.39	\$.35
133006	14-pos. socket for full can		.55	.45	.35

Littlefuse Fuse Holders

*Web Code: UEA

- Omni-Blok® Molded Base Fuse Block
- Solder terminal • 1-5x20mm, 2-3AG
- Dielectric strength: 1500V min.
- Clip/terminals: tin plated spring brass



Part No.	Mfr. Part No.	Curr. Rating	Size	1	10	100
1711947	354001-GY	15A, 300V	1 ...	\$.95	\$.85	\$.79
1712608	520101	10A, 300V	269	.65	.59

Panel Mount for 3AG Fuse

- Dielectric strength: 2400V min.
- Black thermoplastic, UL94V-0
- Terminals: copper & copper alloy, tin plated

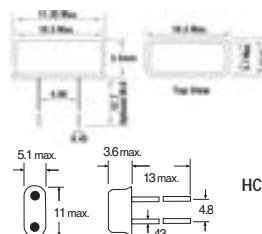


Part No.	Mfr. Part No.	Curr. Rating	1	10	100
1711681	342012	20A ...	\$1.99	\$1.69	\$1.59

For R/C Crystal Oscillators, See page 189

Crystals

- Frequency calibration tolerance: ±50ppm @ 25°C
- Freq. stability tolerance: ±50ppm from -10° to +60°C
- Operating temperature: -10°C to +60°C
- Shunt capacitance: 7pF max. • Drive level: 4.0mW max.



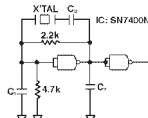
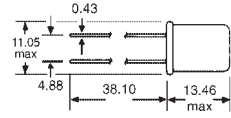
*Web Code: EAU

HC49/US Low Profile Case

HC49/S Low Profile Case

HC49/U (HC18/U) Case

Dimensions in millimeters



C1: 150-470 pF
C2: 220-820 pF
C3: Match crystal impedance

Application Reference (4-14MHz) (parallel resonance)

HC49/U (HC18/U) Case

* Order in multiples of 10

Part No.	Mfr.	Frequency (MHz)	Impedance	Pricing		
				1	10	100
102613	♦	1.8432	18pF	\$.59	\$.55	\$.49
102621	♦	2.0	Series	.55	.49	.45
101274	♦	2.4576	32pF	.59	.55	.49
14533	♦	3.579545	18pF	.49	.39	.35
324364	JVP	4.0	Series	.59	.55	.49
14592	♦	4.0	20pF	.59	.55	.49
324371	JVP	4.194	12pF	*	.19	.15
324419	JVP	5.0	20pF	*	.19	.15
324451	JVP	6.0	32pF	*	.19	.15
324460	JVP	6.0	Series	*	.19	.15
14710	♦	7.3728	30pF	*	.19	.15
14728	♦	8.0	Series	.59	.55	.49
14381	♦	10.0	Series	.59	.55	.49
120061	♦	11.0592	Series	.59	.55	.49
324128	JVP	11.0592	Series	.25	.22	.19
324110	JVP	11.0592	32pF	.49	.45	.39
14402	♦	12.0	Series	.59	.55	.49
537799	♦	14.31818	Series	.25	.22	.19
14453	JVP	16.0	Series	.49	.39	.35
324233	JVP	18.432	20pF	.49	.39	.35
324241	JVP	19.6608	20pF	.25	.22	.19
324268	JVP	20.0	20pF	.59	.55	.49
14517	♦	20.0	Series	.59	.55	.49
324398	JVP	49.86	20pF	*	.19	.15

JAMECO ValuePro HC49/US Low Profile Case

Part No.	Mfr.	Frequency (MHz)	Impedance	Pricing		
				1	10	100
324988	JVP	3.6864	18pF	\$.49	\$.45	\$.39
324962	JVP	4.0	20pF	.59	.55	.49
324929	JVP	5.0	20pF	.59	.55	.49
324902	JVP	5.0688	20pF	.39	.35	.29
324865	JVP	6.0	Series	.49	.45	.39
324857	JVP	6.144	32pF	.49	.45	.39
324849	JVP	6.500	20pF	.49	.45	.39
324822	JVP	7.3728	20pF	.49	.45	.39
324831	JVP	7.3728	20pF	.49	.45	.39
324814	JVP	7.68	20pF	.49	.45	.39
324786	JVP	8.0	20pF	.49	.45	.39
324769	JVP	9.0	Series	.49	.45	.39
324742	JVP	9.216	Series	.49	.45	.39
325227	JVP	11.0592	20pF	.49	.45	.39
325198	JVP	12.0	20pF	.59	.55	.49
325104	JVP	18.432	20pF	.49	.45	.39
325113	JVP	18.432	20pF	.49	.45	.39
325075	JVP	19.6608	7pF	.49	.45	.39
325964	JVP	19.6608	20pF	.49	.45	.39
325068	JVP	20.0	20pF	.59	.55	.49
325041	JVP	20.48	20pF	.49	.45	.39
325024	JVP	24.0	20pF	.59	.55	.49

† Industrial temperature range is -40°C to 85°C

HC49/S Low Profile Case

- Operating temp.: -10° to +60°C • ±5ppm/year max.
- Drive level: 0.5mW (fundamental frequency)
- Frequency stability tolerance: ±50ppm

Part No.	Comparable:	Freq. (MHz)	Imped.	Pricing		
				1	10	100
137816	CY3.5795	3.5759	17pF	\$.39	\$.29	\$.25
137832	CY4LP	4.0	17pF	.49	.35	.29
137859	CY8LP	8.0	Series	.49	.35	.29
137875	CY11.05LP	11.0592	Series	.49	.35	.29
137891	CY16LP	16.0	Series	.49	.35	.29

JAMECO ValuePro

Low Profile Fuse Clips

- Low contact resistance
- Withstands shock/vibration
- Order in multiples of 10

Part No.	Description	For Use With†	Size (H" x W" x D" x P")	1	10	500
119280	5mm, side leads	1	.33 x .25 x .20 x .21	\$.15	\$.13	\$.09
102860	5mm, front leads	1	.37 x .25 x .21 x .19	.15	.13	.09
2099438	1/4", side leads	2	.42 x .25 x .20 x .21	.15	.13	.09
102842	1/4", front leads (10A)	2	.32 x .27 x .25 x .23	.15	.13	.09

5mm x 20mm Miniature Thumbscrew Cap Holders

- Straight solder terminal
- Size: 1.5"L x 0.6"Dia.

Part No.	Approvals	Current	Mounting Hole	1	10	100	500
150464	CE	6A @ 250VAC	.50"Dia. x .43"Flat	\$1.09	\$.99	\$.89	\$.79
102825	UL/CSA	10A @ 250VAC	.50"Dia.	1.25	1.09	.95	.89

1/4" x 1/4" Standard Thumbscrew Cap Holders

- Straight solder terminal
- Current: 10A @ 250VAC

Part No.	Approvals	Size (L" x Dia.)	Mounting Hole	1	10	100	500
120994	CE	1.95" x .71"	.58"Dia. (Double D-style)	\$.95	\$.85	\$.69	\$.65
18703	UL/CSA	2.05" x .71"	.58"Dia. x .52"Flat (D-style)	1.59	1.35	1.19	.95

1/4" x 1/4" PCB Fuse Holder

- 16A @ 250V

Part No.	Mfr.	Approvals	Size (L" x Dia.)	Mounting Hole	1	10	100
1769743	BSM	UL/CSA/VE	1.86 x .51	.4 x .4 grid	\$5.95	\$5.49	\$4.95

Fuse Holders & Clips

*Web Code: EEE



5mm x 20mm Miniature Low Profile Fuse Holder

- Current: 10A @ 250VAC
- D-style

Part No.	Approvals	Size (L" x Dia.)	Mounting Hole	1	10	100
102832	UL/CSA	1.4 x 0.6	.5"Dia. x .46"flat	\$2.49	\$2.19	\$1.99

5mm x 20mm Miniature In-Line Fuse Holder

Part No.	AWG	Wire Color	Body Size	1	10	100
109330	20	Red	1.8"L	\$.69	\$.65	\$.59

1/4" x 1/4" Standard In-Line Fuse Holders

- Built-in spring ensures good fuse connection
- Vinyl covered wire with stranded copper center

Part No.	AWG	Wire Lengths	Body Length	Color Body/Wire	1	10	100
109322	22	3.5/3"	2.4"	Black/Red	\$.79	\$.75	\$.69
102868	20	3/3"	2.2"	White/Red	.89	.79	.69
151918	18	6/6"	2.4"	White/Red	1.19	1.09	.95
108784	16	21/26"	2.2"	Black/Orange	1.79	1.55	1.29
108792	14	19/25"	2.5"	Black/Red	2.49	2.25	1.95

* BSM = Bussman | JVP = Jameco ValuePro | ♦ Manufacturer Varies

RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 197.