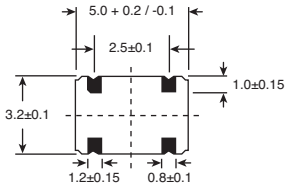


# ABRACON SMD Crystal Clock Oscillators



## ASFL1 SERIES MINIATURE CRYSTAL CLOCK OSCILLATORS, 3.2 X 5

- Features:**
- Frequency Range: 1.5MHz to 125.0MHz
  - Operating Temperature: -40°C to +85°C
  - Stability: ±30ppm (-20°C to +70°C)
  - Supply Voltage (VDD): 3.3VDC ±10%
  - Low current consumption
  - Tight stability option
  - Glass sealed package



Pin Assignment	
1	Tristate
2	GND/Case
3	Output
4	VDD



RoHS Compliant

DIMENSIONS: mm

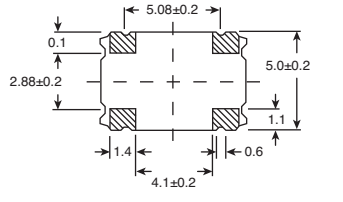
For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Abracon Part No.	Frequency (MHz)	Price Each				
			1	25	100	500	1000
815-ASFL1-1.8432-EKT	ASFL1-1.8432MHZ-EK-T	1.8432	3.35	2.85	2.22	1.88	1.38
815-ASFL1-3.6864-EKT	ASFL1-3.6864MHZ-EK-T	3.6864	3.35	2.85	2.23	1.98	1.61
815-ASFL1-4-EK-T	ASFL1-4.000MHZ-EK-T	4.0000	3.35	2.85	2.22	1.88	1.38
815-ASFL1-7.3728-EKT	ASFL1-7.3728MHZ-EK-T	7.3728	3.35	2.85	2.22	1.88	1.38
815-ASFL1-8-EK-T	ASFL1-8.000MHZ-EK-T	8.0000	3.35	2.85	2.22	1.88	1.38
815-ASFL1-10-EK-T	ASFL1-10.000MHZ-EK-T	10.0000	3.35	2.85	2.22	1.88	1.38
815-ASFL1-11.0592EKT	ASFL1-11.0592MHZ-EK-T	11.0592	3.35	2.85	2.33	1.98	1.61
815-ASFL1-12-EK-T	ASFL1-12.000MHZ-EK-T	12.0000	3.35	2.85	2.22	1.88	1.38
815-ASFL1-14.3181EKT	ASFL1-14.3181MHZ-EK-T	14.3182	3.35	2.85	2.22	1.88	1.38
815-ASFL1-14.7456EKT	ASFL1-14.7456MHZ-EK-T	14.7456	3.35	2.85	2.22	1.88	1.38
815-ASFL1-16-EK-T	ASFL1-16.000MHZ-EK-T	16.0000	3.35	2.85	2.22	1.88	1.38
815-ASFL1-18.432EKT	ASFL1-18.432MHZ-EK-T	18.3420	3.35	2.85	2.22	1.88	1.38
815-ASFL1-20-EK-T	ASFL1-20.000MHZ-EK-T	20.0000	3.35	2.85	2.22	1.88	1.38
815-ASFL1-24-EK-T	ASFL1-24.000MHZ-EK-T	24.0000	3.35	2.85	2.22	1.88	1.38
815-ASFL1-24.576EKT	ASFL1-24.576MHZ-EK-T	24.5760	3.35	2.85	2.22	1.88	1.38
815-ASFL1-25-EK-T	ASFL1-25.000MHZ-EK-T	25.0000	3.35	2.85	2.22	1.88	1.38
815-ASFL1-27-EK-T	ASFL1-27.000MHZ-EK-T	27.0000	3.35	2.85	2.22	1.88	1.38
815-ASFL1-30-EK-T	ASFL1-30.000MHZ-EK-T	30.0000	3.35	2.85	2.22	1.88	1.38
815-ASFL1-32-EK-T	ASFL1-32.000MHZ-EK-T	32.0000	3.35	2.85	2.22	1.88	1.38
815-ASFL1-33-EK-T	ASFL1-33.000MHZ-EK-T	33.0000	3.35	2.85	2.22	1.88	1.38
815-ASFL1-33.333EKT	ASFL1-33.333MHZ-EK-T	33.3330	3.35	2.85	2.22	1.88	1.38
815-ASFL1-40-EK-T	ASFL1-40.000MHZ-EK-T	40.0000	3.35	2.85	2.22	1.88	1.38
815-ASFL1-48-EK-T	ASFL1-48.000MHZ-EK-T	48.0000	3.35	2.85	2.22	1.88	1.38
815-ASFL1-50-EK-T	ASFL1-50.000MHZ-EK-T	50.0000	3.35	2.85	2.22	1.88	1.38



## ASV SERIES CRYSTAL CLOCK OSCILLATOR, 5 X 7

- Features:**
- Frequency Range: 1.000MHz to 150MHz
  - Operating Temperature: -40°C to +85°C
  - Stability: ±20ppm (-20°C to +70°C)
  - Supply Voltage: (VDD) 3.3VDC ±10%
  - HCMOS and TTL compatible, 3.3VDC operation



Pin Assignment	
1	Tristate enable/disable
2	GND/Case
3	Output
4	VDD



RoHS Compliant

DIMENSIONS: mm

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Abracon Part No.	Frequency (MHz)	Price Each				
			1	10	50	100	500
815-ASV-1.8432-EJ-T	ASV-1.8432MHZ-EJ-T	1.84320	2.89	2.60	2.28	1.70	1.52
815-ASV-3.6864-EJ-T	ASV-3.6864MHZ-EJ-T	3.68640	2.89	2.60	2.28	1.70	1.52
815-ASV-4-EJ-T	ASV-4.000MHZ-EJ-T	4.00000	2.89	2.60	2.28	1.70	1.52
815-ASV-7.3728-EJ-T	ASV-7.3728MHZ-EJ-T	7.37280	2.89	2.60	2.28	1.70	1.52
815-ASV-8-EJ-T	ASV-8.000MHZ-EJ-T	8.00000	2.89	2.60	2.28	1.70	1.52
815-ASV-10-EJ-T	ASV-10.000MHZ-EJ-T	10.00000	2.89	2.60	2.28	1.70	1.52
815-ASV-11.0592-EJ-T	ASV-11.0592MHZ-EJ-T	11.05920	2.89	2.60	2.28	1.70	1.52
815-ASV-12-EJ-T	ASV-12.000MHZ-EJ-T	12.00000	2.89	2.60	2.28	1.70	1.52
815-ASV-14.3181EJ-T	ASV-14.3181MHZ-EJ-T	14.31818	2.89	2.60	2.28	1.70	1.52
815-ASV-14.7456-EJ-T	ASV-14.7456MHZ-EJ-T	14.74560	2.89	2.60	2.28	1.70	1.52
815-ASV-16-EJ-T	ASV-16.000MHZ-EJ-T	16.00000	2.89	2.60	2.28	1.70	1.52
815-ASV-16.384-EJ-T	ASV-16.384MHZ-EJ-T	16.38400	2.89	2.60	2.28	1.70	1.52
815-ASV-18.432-EJ-T	ASV-18.432MHZ-EJ-T	18.43200	2.89	2.60	2.28	1.70	1.52
815-ASV-20-EJ-T	ASV-20.000MHZ-EJ-T	20.00000	2.89	2.60	2.28	1.70	1.52
815-ASV-24-EJ-T	ASV-24.000MHZ-EJ-T	24.00000	2.52	2.27	1.99	1.48	1.33
815-ASV-24.576-EJ-T	ASV-24.576MHZ-EJ-T	24.57600	2.89	2.60	2.28	1.70	1.52
815-ASV-25-EJ-T	ASV-25.000MHZ-EJ-T	25.00000	2.89	2.60	2.28	1.70	1.52
815-ASV-27-EJ-T	ASV-27.000MHZ-EJ-T	27.00000	2.89	2.78	2.30	1.70	1.68
815-ASV-29.4912-EJ-T	ASV-29.4912MHZ-EJ-T	29.49120	2.89	2.60	2.28	1.70	1.52
815-ASV-30-EJ-T	ASV-30.000MHZ-EJ-T	30.00000	2.89	2.60	2.28	1.70	1.52
815-ASV-32-EJ-T	ASV-32.000MHZ-EJ-T	32.00000	2.89	2.60	2.28	1.70	1.52
815-ASV-33-EJ-T	ASV-33.000MHZ-EJ-T	33.00000	2.89	2.60	2.28	1.70	1.52
815-ASV-33.333-EJ-T	ASV-33.333MHZ-EJ-T	33.33300	2.89	2.60	2.28	1.70	1.52
815-ASV-40-EJ-T	ASV-40.000MHZ-EJ-T	40.00000	2.89	2.60	2.28	1.70	1.52
815-ASV-48-EJ-T	ASV-48.000MHZ-EJ-T	48.00000	2.89	2.60	2.28	1.70	1.52
815-ASV-50-EJ-T	ASV-50.000MHZ-EJ-T	50.00000	2.89	2.60	2.28	1.70	1.52

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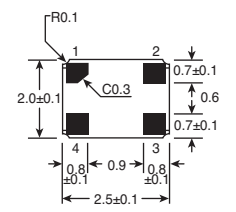


## ASD1 AND ASD3 SERIES CRYSTAL CLOCK OSCILLATORS, 2.5 X 2

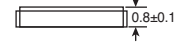
- Features:**
- Compact and low in height
  - Low current consumption
  - Tri state function
  - Suitable for high density SMT
  - IR reflow capable
  - Tight stability option
  - Seam sealed package



RoHS Compliant



Pin Assignment	
1	Tristate (STBY)
2	GND/Case
3	Output
4	VDD



DIMENSIONS: mm

### ASD1 Series

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Abracon Part No.	Frequency (MHz)	VDC	Price Each				
				1	10	50	100	1000
815-ASD1-1.54M-ECT	ASD1-1.544MHz-ECT	1.54400	3.0	5.78	4.91	3.70	3.26	2.30
815-ASD1-3.68M-ECT	ASD1-3.6864MHz-ECT	3.68640	3.0	5.78	4.91	3.70	3.26	2.30
815-ASD1-4.00M-ECT	ASD1-4.000MHz-ECT	4.00000	3.0	5.78	4.91	3.70	3.26	2.30
815-ASD1-7.37M-ECT	ASD1-7.3728MHz-ECT	7.37280	3.0	5.78	4.91	3.70	3.26	2.30
815-ASD1-8.00M-ECT	ASD1-8.000MHz-ECT	8.00000	3.0	5.78	4.91	3.70	3.26	2.30
815-ASD1-10.00M-ECT	ASD1-10.000MHz-ECT	10.00000	3.0	5.78	4.91	3.70	3.26	2.30
815-ASD1-11.05M-ECT	ASD1-11.0592MHz-ECT	11.05920	3.0	5.78	4.91	3.70	3.26	2.30
815-ASD1-12.00M-ECT	ASD1-12.000MHz-ECT	12.00000	3.0	5.78	4.91	3.70	3.26	2.30
815-ASD1-14.31M-ECT	ASD1-14.3181MHz-ECT	14.31818	3.0	5.78	4.91	3.70	3.26	2.30
815-ASD1-14.74M-ECT	ASD1-14.7456MHz-ECT	14.74560	3.0	5.78	4.91	3.70	3.26	2.30
815-ASD1-18.43M-ECT	ASD1-18.432MHz-ECT	18.43200	3.0	5.78	4.91	3.70	3.26	2.30
815-ASD1-20.00M-ECT	ASD1-20.000MHz-ECT	20.00000	3.0	5.78	4.91	3.70	3.26	2.30
815-ASD1-24.00M-ECT	ASD1-24.000MHz-ECT	24.00000	3.0	5.78	4.91	3.70	3.26	2.30
815-ASD1-24.57M-ECT	ASD1-24.576MHz-ECT	24.57600	3.0	5.78	4.91	3.70	3.26	2.30
815-ASD1-25.00M-ECT	ASD1-25.000MHz-ECT	25.00000	3.0	5.78	4.91	3.70	3.26	2.30
815-ASD1-27.00M-ECT	ASD1-27.000MHz-ECT	27.00000	3.0	5.78	4.91	3.70	3.26	2.30
815-ASD1-30.00M-ECT	ASD1-30.000MHz-ECT	30.00000	3.0	5.78	4.91	3.70	3.26	2.30
815-ASD1-32.00M-ECT	ASD1-32.000MHz-ECT	32.00000	3.0	5.78	4.91	3.70	3.26	2.30
815-ASD1-33.00M-ECT	ASD1-33.000MHz-ECT	33.00000	3.0	5.78	4.91	3.70	3.26	2.30
815-ASD1-33.33M-ECT	ASD1-33.333MHz-ECT	33.33300	3.0	5.78	4.91	3.70	3.26	2.30
815-ASD1-40.00M-ECT	ASD1-40.000MHz-ECT	40.00000	3.0	5.78	4.91	3.70	3.26	2.30
815-ASD1-48.00M-ECT	ASD1-48.000MHz-ECT	48.00000	3.0	5.78	4.91	3.70	3.26	2.30
815-ASD1-50.00M-ECT	ASD1-50.000MHz-ECT	50.00000	3.0	5.78	4.91	3.70	3.26	2.30
815-ASD1-60.00M-ECT	ASD1-60.000MHz-ECT	60.00000	3.0	5.78	4.91	3.70	3.26	2.30

### ASD3 Series

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Abracon Part No.	Frequency (MHz)	VDC	Price Each				
				1	10	50	100	1000
815-ASD3-14.31M-ECT	ASD3-14.3181MHz-ECT	14.31818	1.8	5.78	4.91	3.70	3.26	2.30
815-ASD3-20.00M-ECT	ASD3-20.000MHz-ECT	20.00000	1.8	5.78	4.91	3.70	3.26	2.30
815-ASD3-24.00M-ECT	ASD3-24.000MHz-ECT	24.00000	1.8	5.78	4.91	3.70	3.26	2.30
815-ASD3-24.57M-ECT	ASD3-24.576MHz-ECT	24.57600	1.8	5.78	4.91	3.70	3.26	2.30
815-ASD3-25.00M-ECT	ASD3-25.000MHz-ECT	25.00000	1.8	5.78	4.91	3.70	3.26	2.30
815-ASD3-27.00M-ECT	ASD3-27.000MHz-ECT	27.00000	1.8	5.78	4.91	3.70	3.26	2.30
815-ASD3-29.49M-ECT	ASD3-29.4912MHz-ECT	29.49120	1.8	5.78	4.91	3.70	3.26	2.30
815-ASD3-40.00M-ECT	ASD3-40.000MHz-ECT	40.00000	1.8	5.78	4.91	3.70	3.26	2.30
815-ASD3-50.00M-ECT	ASD3-50.000MHz-ECT	50.00000	1.8	5.78	4.91	3.70	3.26	2.30



## ASVTX SERIES VOLTAGE CONTROLLED TEMPERATURE COMPENSATED CRYSTAL OSCILLATOR VCTCXO, 3.2 X 5

- Features:**
- Frequency range: 12.800MHz - 19.2MHz
  - Operating temperature: -40°C to +85°C
  - Supply voltage (Vcc): 3.0VDC ±5%
  - Low current consumption
  - Tolerance: ±0.5ppm @ 25°C