

# FOX Low Jitter Configurable Oscillators

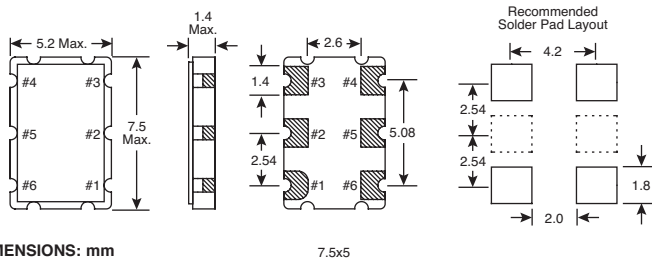
RoHS Compliant This product is RoHS compliant.



**Features:**

- Low jitter comparable to fixed-frequency oscillators, 10x less than programmables
- Frequency options: 0.75MHz to 1.3GHz
- Low jitter, low noise

**Note:** Must specify desired frequency.



DIMENSIONS: mm

**PART NUMBERING GUIDE:**

**XPO-HC 3 -FREQUENCY**

**Type:**  
 H = HCMOS  
 P = LVPECL  
 L = LVDS

**Material:**  
 C = Ceramic

**Package Size:**  
 7 = 7.5mm x 5.0mm  
 5 = 5.0mm x 3.2mm

**Voltage:**  
 3 = 3.3V

**Stability:**  
 0 = ±100ppm  
 5 = ±50ppm  
 6 = ±25ppm  
 8 = ±20ppm (-20°C to +70°C Only)  
 B = ±50ppm (Absolute Pull Range)

**Frequency**

**Operating Temperature:**  
 Blank = -20°C to +70°C  
 R = -40°C to +85°C

## FOX XPRESSO XPRESSO FAMILY - XO SERIES

HCMOS, 7.5 x 5.0mm, 1MHz to 250MHz



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fox Xpresso Part No.	Frequency Range	Voltage	Stability	Temperature Range	Price Each				
						1	10	25	50	100
XPO-HC735-1-59	FXO-HC735	1.000000-59.999999	3.3V	±50 ppm	-20°C to +70°C	20.71	16.76	8.25	6.50	4.61
XPO-HC735-60-69	FXO-HC735	60.000000-69.999999	3.3V	±50 ppm	-20°C to +70°C	21.74	17.60	8.65	6.83	4.84
XPO-HC735-70-79	FXO-HC735	70.000000-79.999999	3.3V	±50 ppm	-20°C to +70°C	22.83	18.48	9.10	7.16	5.08
XPO-HC735-80-89	FXO-HC735	80.000000-89.000000	3.3V	±50 ppm	-20°C to +70°C	23.96	19.40	9.54	7.51	5.34
XPO-HC735-90-99	FXO-HC735	90.000000-99.999999	3.3V	±50 ppm	-20°C to +70°C	27.55	22.28	10.98	8.64	6.13
XPO-HC735-100-106	FXO-HC735	100.000000-106.250000	3.3V	±50 ppm	-20°C to +70°C	31.69	25.64	12.61	9.94	7.05
XPO-HC735-106-124	FXO-HC735	106.250001-125.000000	3.3V	±50 ppm	-20°C to +70°C	36.46	29.51	14.51	11.43	8.10
XPO-HC735-125-149	FXO-HC735	125.000001-150.000000	3.3V	±50 ppm	-20°C to +70°C	45.55	36.86	18.13	14.28	10.13
XPO-HC735-150-169	FXO-HC735	150.000001-170.000000	3.3V	±50 ppm	-20°C to +70°C	56.95	46.10	22.68	17.88	12.66
XPO-HC735-170-199	FXO-HC735	170.000001-200.000000	3.3V	±50 ppm	-20°C to +70°C	71.19	57.60	28.34	22.34	15.84
XPO-HC735-200-250	FXO-HC735	200.000001-250.000000	3.3V	±50 ppm	-20°C to +70°C	89.00	72.03	35.44	27.92	19.80

## LVDS, 7.5 x 5.0mm, 1MHz to 1.1GHz

For quantities greater than listed, call for quote.

XPO-LC735-1-99	FXO-LC735	1.000000-99.999999	3.3V	±50 ppm	-20°C to +70°C	41.20	34.13	27.20	24.62	18.93
XPO-LC735-100-199	FXO-LC735	100.000000-199.999999	3.3V	±50 ppm	-20°C to +70°C	43.26	35.83	28.55	25.85	19.87
XPO-LC735-200-299	FXO-LC735	200.000000-299.999999	3.3V	±50 ppm	-20°C to +70°C	45.32	37.62	29.98	27.08	20.82
XPO-LC735-300-399	FXO-LC735	300.000000-399.999999	3.3V	±50 ppm	-20°C to +70°C	47.38	39.50	31.48	28.31	21.77
XPO-LC735-400-499	FXO-LC735	400.000000-499.999999	3.3V	±50 ppm	-20°C to +70°C	49.44	41.48	33.06	29.54	22.71
XPO-LC735-500-599	FXO-LC735	500.000000-599.999999	3.3V	±50 ppm	-20°C to +70°C	51.50	43.55	34.71	30.77	23.66
XPO-LC735-600-699	FXO-LC735	600.000000-699.999999	3.3V	±50 ppm	-20°C to +70°C	53.56	45.73	36.44	32.00	24.60
XPO-LC735-700-799	FXO-LC735	700.000000-799.999999	3.3V	±50 ppm	-20°C to +70°C	55.62	48.02	38.27	33.24	25.55
XPO-LC735-800-899	FXO-LC735	800.000000-899.999999	3.3V	±50 ppm	-20°C to +70°C	57.68	50.42	40.18	34.46	26.50
XPO-LC735-900-999	FXO-LC735	900.000000-999.999999	3.3V	±50 ppm	-20°C to +70°C	59.74	52.94	42.19	35.69	27.44
XPO-LC735-1.0G-1.1G	FXO-LC735	1000.000000-1100.000000	3.3V	±50 ppm	-20°C to +70°C	61.80	55.59	44.30	36.93	28.39

## LVPECL, 7.5 x 5.0mm, 1MHz to 1.1GHz

For quantities greater than listed, call for quote.

XPO-PC735-1-99	FXO-PC735	1.000000-99.999999	3.3V	±50 ppm	-20°C to +70°C	41.20	34.13	27.20	24.62	18.93
XPO-PC735-100-199	FXO-PC735	100.000000-199.999999	3.3V	±50 ppm	-20°C to +70°C	43.26	35.83	28.55	25.85	19.87
XPO-PC735-200-299	FXO-PC735	200.000000-299.999999	3.3V	±50 ppm	-20°C to +70°C	45.32	37.62	29.98	27.08	20.82
XPO-PC735-300-399	FXO-PC735	300.000000-399.999999	3.3V	±50 ppm	-20°C to +70°C	47.38	39.50	31.48	28.31	21.77
XPO-PC735-400-499	FXO-PC735	400.000000-499.999999	3.3V	±50 ppm	-20°C to +70°C	49.44	41.48	33.06	29.54	22.71
XPO-PC735-500-599	FXO-PC735	500.000000-599.999999	3.3V	±50 ppm	-20°C to +70°C	51.50	43.55	34.71	30.77	23.66
XPO-PC735-600-699	FXO-PC735	600.000000-699.999999	3.3V	±50 ppm	-20°C to +70°C	53.56	45.73	36.44	32.00	24.60
XPO-PC735-700-799	FXO-PC735	700.000000-799.999999	3.3V	±50 ppm	-20°C to +70°C	55.62	48.02	38.27	33.24	25.55
XPO-PC735-800-899	FXO-PC735	800.000000-899.999999	3.3V	±50 ppm	-20°C to +70°C	57.68	50.42	40.18	34.46	26.50
XPO-PC735-900-999	FXO-PC735	900.000000-999.999999	3.3V	±50 ppm	-20°C to +70°C	59.74	52.94	42.19	35.69	27.44
XPO-PC735-1.0G-1.1G	FXO-PC735	1000.000000-1100.000000	3.3V	±50 ppm	-20°C to +70°C	61.80	55.59	44.30	36.93	28.39

## FOX XPRESSO XPRESSO FAMILY - VCXO SERIES

LVDS, 7.5 x 5.0mm, 1MHz to 1.1GHz



RoHS Compliant

For quantities greater than listed, call for quote.

XPO-LC73B-1-99	FVXO-LC73B	1.000000-99.999999	3.3V	±50 ppm	-20°C to +70°C	47.09	39.00	31.08	25.32	19.47
XPO-LC73B-100-199	FVXO-LC73B	100.000000-199.999999	3.3V	±50 ppm	-20°C to +70°C	49.44	40.95	32.63	26.59	20.44
XPO-LC73B-200-299	FVXO-LC73B	200.000000-299.999999	3.3V	±50 ppm	-20°C to +70°C	51.80	43.00	34.27	27.86	21.41
XPO-LC73B-300-399	FVXO-LC73B	300.000000-399.999999	3.3V	±50 ppm	-20°C to +70°C	54.15	45.15	35.98	29.12	22.39
XPO-LC73B-400-499	FVXO-LC73B	400.000000-499.999999	3.3V	±50 ppm	-20°C to +70°C	56.51	47.40	37.78	30.38	23.36
XPO-LC73B-500-599	FVXO-LC73B	500.000000-599.999999	3.3V	±50 ppm	-20°C to +70°C	58.86	49.77	39.67	31.65	24.33
XPO-LC73B-600-699	FVXO-LC73B	600.000000-699.999999	3.3V	±50 ppm	-20°C to +70°C	61.21	52.26	41.65	32.91	25.31
XPO-LC73B-700-799	FVXO-LC73B	700.000000-799.999999	3.3V	±50 ppm	-20°C to +70°C	63.57	54.88	43.73	34.18	26.28
XPO-LC73B-800-899	FVXO-LC73B	800.000000-899.999999	3.3V	±50 ppm	-20°C to +70°C	65.92	57.62	45.92	35.45	27.25
XPO-LC73B-900-999	FVXO-LC73B	900.000000-999.999999	3.3V	±50 ppm	-20°C to +70°C	68.28	60.50	48.22	36.71	28.23
XPO-LC73B-1.0G-1.1G	FVXO-LC73B	1000.000000-1100.000000	3.3V	±50 ppm	-20°C to +70°C	70.63	63.53	50.63	37.98	29.20

## LVPECL, 7.5 x 5.0mm, 1MHz to 1.1GHz

For quantities greater than listed, call for quote.

XPO-PC73B-1-99	FVXO-PC73B	1.000000-99.999999	3.3V	±50 ppm	-20°C to +70°C	47.09	39.00	31.08	25.32	19.47
XPO-PC73B-100-199	FVXO-PC73B	100.000000-199.999999	3.3V	±50 ppm	-20°C to +70°C	49.44	40.95	32.63	26.59	20.44
XPO-PC73B-200-299	FVXO-PC73B	200.000000-299.999999	3.3V	±50 ppm	-20°C to +70°C	51.80	43.00	34.27	27.86	21.41
XPO-PC73B-300-399	FVXO-PC73B	300.000000-399.999999	3.3V	±50 ppm	-20°C to +70°C	54.15	45.15	35.98	29.12	22.39
XPO-PC73B-400-499	FVXO-PC73B	400.000000-499.999999	3.3V	±50 ppm	-20°C to +70°C	56.51	47.40	37.78	30.38	23.36
XPO-PC73B-500-599	FVXO-PC73B	500.000000-599.999999	3.3V	±50 ppm	-20°C to +70°C	58.86	49.77	39.67	31.65	24.33
XPO-PC73B-600-699	FVXO-PC73B	600.000000-699.999999	3.3V	±50 ppm	-20°C to +70°C	61.21	52.26	41.65	32.91	25.31
XPO-PC73B-700-799	FVXO-PC73B	700.000000-799.999999	3.3V	±50 ppm	-20°C to +70°C	63.57	54.88	43.73	34.18	26.28
XPO-PC73B-800-899	FVXO-PC73B	800.000000-899.999999	3.3V	±50 ppm	-20°C to +70°C	65.92	57.62	45.92	35.45	27.25
XPO-PC73B-900-999	FVXO-PC73B	900.000000-999.999999	3.3V	±50 ppm	-20°C to +70°C	68.28	60.50	48.22	36.71	28.23
XPO-PC73B-1.0G-1.1G	FVXO-PC73B	1000.000000-1100.000000	3.3V	±50 ppm	-20°C to +70°C	70.63	63.53	50.63	37.98	29.20