

XK23R156R312R625I

XK Crystal Oscillator (ProXO II)

1. Pin Information

1.1 Pin Assignments

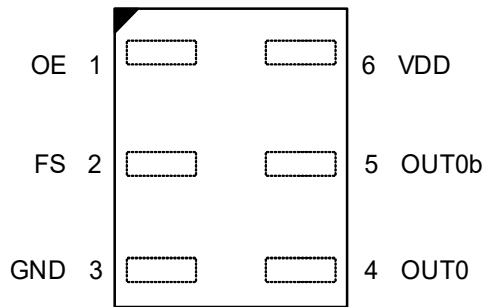


Figure 1. 2.5 × 2.0 mm Package Option– Top View

1.2 Pin Descriptions

Pin Number	Pin Name	Description
1	OE	Output Enable (OE) (0 = disabled; pulled High internally) <i>Note:</i> The OE function stops the outputs in a differential state, it does not tri-state the outputs or power down the internal circuitry.
2	FS	Frequency Select (FS). The pin is a 3-state (High, Mid (Float), Low) pin that selects one of the three factory programmed frequencies and output types via ordering option.
3	GND	Connect to ground
4	OUT0	True clock output.
5	OUT0b	Complementary clock output.
6	VDD	Power supply voltage.

1.3 FSEL Configuration

Configuration	FSEL	OE Pin	OE Logic	Frequency	Output Type	Voltage
1	Low	Pin 1	Active High	156.25MHz	HCSL	3.3V
2	Mid (Float)	Pin 1	Active High	312.5MHz	HCSL	3.3V
3	High	Pin 1	Active High	625MHz	HCSL	3.3V

2. Ordering Information

The Minimum Order Quantity (MOQ) for tape and reel packing is 2500 pieces. Orders less than 2500 pieces, or the portion of orders that are not multiples of 2500 pieces will be packed on cut tape. For example, a 3500 pieces order will be packed as 2500 pieces on tape and reel and 1000 pieces on cut tape.

	Family	Package	Voltage	Config. 1 ^[1] (FS = Low)	Config. 2 ^[1] (FS = Floating)	Config. 3 ^[1] (FS = High)	Temperature Range
Ordering Code ^[2]	XK	0: 1.8 × 1.4 mm 1: 2.0 × 1.6 mm 2: 2.5 × 2.0 mm 3: 3.2 × 2.5 mm	1: 1.8V ±5% 2: 2.5V ±5% 3: 3.3V ±5%	Xfff	Xfff	Xfff	I: -40 to +85°C
Part Number ^[3]	XK	2	3	R156	R312	R625	I

1. Refer to [FSEL Configuration](#) table for frequencies and output types.
2. See the Ordering Information section in the [XK datasheet](#) for a full set of codes and details on output types and configurations, frequency performance groups, and frequencies.
3. The ordering code from this table denotes part number XK23R156R312R625I.

3. Revision History

Revision	Date	Description
1.00	Nov 7, 2023	Initial release.

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