



actual size

SMO • JO 75

surface mount CMOS oscillator 3.3 Volt or 5.0 Volt

features

- only 1.4 mm package height
- tristate function

type	JO 75 B3	JO 75 A3	JO 75 C5	JO 75 B5	JO 75 A5
frequency range (input current max.)	1.8 ~ 31.9 MHz (12 mA)		1.8 ~ 31.9 MHz (18 mA)		
	32 ~ 49.9 MHz (16 mA)		32.0 ~ 66.9 MHz (50 mA)		
	50 ~ 66.9 MHz (18 mA)		67.0 ~ 125.0 MHz (80 mA)		
	67 ~ 125.0 MHz (40 mA)				
frequency stability* ¹⁾	± 50 ppm	± 100 ppm	± 25 ppm	± 50 ppm	± 100 ppm
output load	15 pF or 10 LSTTL		15 pF or 10 LSTTL		
rise and fall time	6 ns max.		5 ns		
operating temperature	-10 °C ~ +70 °C		-10 °C ~ +70 °C		
storage temperature	-55 °C ~ +125 °C		-55 °C ~ +125 °C		
supply voltage	3.3 V ±10%		5.0 V ±10%		
output level "low" max.	0.33 V		0.5 V		
output level "high" min.	2.97 V		4.5 V		
symmetry at 1/2 V _{DC}	1.8 ~ 49.9 MHz 45/55%		40/60%		
	50.0 ~ 125.0 MHz 40/60%				
input current when disable	10 µA max.		10 µA max.		

*¹⁾ frequency stability: inclusive of calibration tolerance at 25 °C, operating temperature range, input voltage change, aging, shock and vibration

order information example:

O - 100.0 - JO75A3 - T1

1. 2. 3. 4.

1. oscillator: O
2. frequency: 100.0 MHz
3. type: JO75A3
4. special requirement: -40 °C ~ +85 °C (see option table)

marking:

1. line = frequency in MHz
2. line = type / date code

date code: year/month example: 0A = 2000 January

Jan.	Febr.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
A	B	C	D	E	F	G	H	J	K	L	M

option table:

- T1 - -40 °C ~ +85 °C

enable / disable function (e/d)

e/d delay time: 100 ns max.

control input # 1	output # 3
open or high	active
low or ground	high impedance

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