

CRYSTAL OSCILLATORS PROGRAMMABLE CRYSTAL CLOCK OSCILLATOR



SMP-531 SERIES

CERAMIC PACKAGE

Applications

Features

• Actual Size:

- Seam Seal
- Excellent Solderability
- Tri-State
- Low Power Consumption
- RoHS Compliant

Specification

MODEL

FREQUENCY RANGE	MHz	1 ~ 110	1 ~ 166	1 ~ 200
FREQUENCY STABILITY*	ppm	± 30 ~ ± 100		
OPERATING TEMPERATURE	°C	- 10 ~ + 70 , - 40 ~ + 85		
STORAGE TEMPERATURE	°C	- 55 ~ + 125		
POWER SUPPLY VOLTAGE	VDC	+1.8±5%	+2.5±5%	+3.3±10%
OUTPUT LEVEL		CMOS		
OUTPUT SYMMETRY**	%	40 ~ 55 (at 50% VDC)		
INPUT CURRENT				
1.0 ~ 9.99MHz	mA (Max.)	8		
10 ~ 19.99MHz		10		
20 ~ 31.99MHz		12		
32 ~ 49.99MHz		15		
50 ~ 79.99MHz		20		
80 ~ 99.99MHz		25		
100 ~ 200MHz		30		
RISE / FALL TIME				
1.0 ~ 31.99MHz	ns (Max.)	6		
32 ~ 200MHz		5		
OUTPUT LOAD		15 pF		
AGING	ppm/Year	± 3		

*Inclusive of 25°C±3°C & Operating Temperature Range.

**Symmetry of 45 ~ 55% is available.

Pin Connection

No.	Connection
#1	E/D
#2	GND
#3	Output
#4	VDC

Enable / Disable Function

E/D (#1)	OUTPUT (#3)
HIGH (Open)	Operating
LOW	High impedance

Dimension(mm)

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