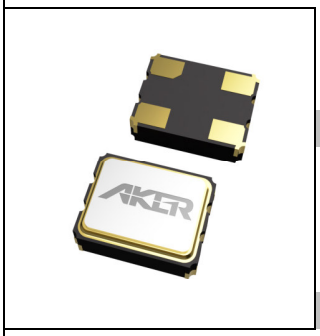
CRYSTAL OSCILLATORS



SMAN-004000-3BL4T01

CERAMIC PACKAGE

Applications

- DVR
- Camera
- Medical
- Industry Control
- Wireless
- Communcation
- Telecom
- IoT

Features

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

- Actual Size:

Specification

MODEL

FREQUENCY RANGE	MHz	1.000~110.000	1.000~160.000	1.000~160.000	1.000~110.000	1.000~60.000
FREQUENCY STABILITY*	ppm	± 20 ~ ± 100				
OPERATING TEMPERATURE	°C	- 20 ~ + 70 Or Specify (- 40 ~ + 125 is available)				
STORAGE TEMPERATURE	°C	- 55 ~ + 125				
POWER SUPPLY VOLTAGE	VDC	+1.8 ± 10%	+2.5 ± 10%	+3.3 ± 10%	+1.62~+3.63	+5.0 ± 10%
OUTPUT LEVEL		CMOS				
OUTPUT SYMMETRY	%	45 ~ 55 (at 50% VDC)				
INPUT CURRENT						
1.0 ~ 9.9MHz	mA (Max.)	3	5	5	5	10
10.0 ~ 19.9MHz		5	5	5	5	12
20.0 ~ 31.9MHz		5	6	7	7	15
32.0 ~ 60.0MHz		10	12	12	12	22
60.1 ~ 110.0MHz		10	20	25	25	-
110.1 ~ 160.0MHz		-	20	30	-	-
RISE/FALL TIME						
1.0 ~ 9.9MHz	ns (Max.)	7	7	6	7	6
10.0 ~ 19.9MHz		7	7	6	7	6
20.0 ~ 31.9MHz		6	6	5	6	5
32.0 ~ 60.0MHz		6	6	5	6	5
60.1 ~ 110.0MHz		6	6	5	6	-
110.1 ~ 160.0MHz		-	6	6	-	-
OUTPUT LOAD		15 pF Max.				
AGING	ppm/Year	± 3				

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

**Specification subject to change without notice.

Pin Connection

PIN No.	Connection
#1	Enable/Disable
#2	GND
#3	Output
#4	VDC

Enable/Disable Function

Pin #1	Pin #3
HIGH(OPEN)	Output
LOW	High Impedance

Dimension(mm)

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