

CRYSTAL OSCILLATORS

Automotive Grade

ACTUAL SIZE:

SMAF-000032-AAY6T00

CERAMIC PACKAGE



APPLICATIONS

- ▶ Camera
- ▶ TPMS
- ▶ Bluetooth

FEATURES

- ▶ Seam Seal
- ▶ Excellent Solderability
- ▶ Tri-State
- ▶ Low Power Consumption
- ▶ RoHS Compliant
- ▶ IATF-16949 Certified
- ▶ AEC-Q200 Qualified

Specification

MODEL

FREQUENCY RANGE	MHz	2.000 ~ 60.000			
FREQUENCY STABILITY*	ppm	± 25 ~ ± 100			
OPERATING TEMPERATURE	°C	- 40 ~ + 85 Or - 40 ~ + 125			
STORAGE TEMPERATURE	°C	- 55 ~ + 125			
POWER SUPPLY VOLTAGE	VDC	+1.8 ± 10%	+2.5 ± 10%	+3.3 ± 10%	+1.62 ~ +3.63
OUTPUT LEVEL		CMOS			
OUTPUT SYMMETRY	%	45 ~ 55 (at 50% VDC)			
INPUT CURRENT					
2.0 ~ 9.9MHz	mA (Max.)	3	4	5	5
10.0 ~ 19.9MHz		4	5	6	6
20.0 ~ 31.9MHz		5	6	7	7
32.0 ~ 60.0MHz		6	7	8	8
RISE/FALL TIME					
2.0 ~ 9.9MHz	ns (Max.)	6	5	5	6
10.0 ~ 19.9MHz		6	5	5	6
20.0 ~ 31.9MHz		5	5	5	5
32.0 ~ 60.0MHz		5	5	5	5
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)

SMAF-211 SERIES

