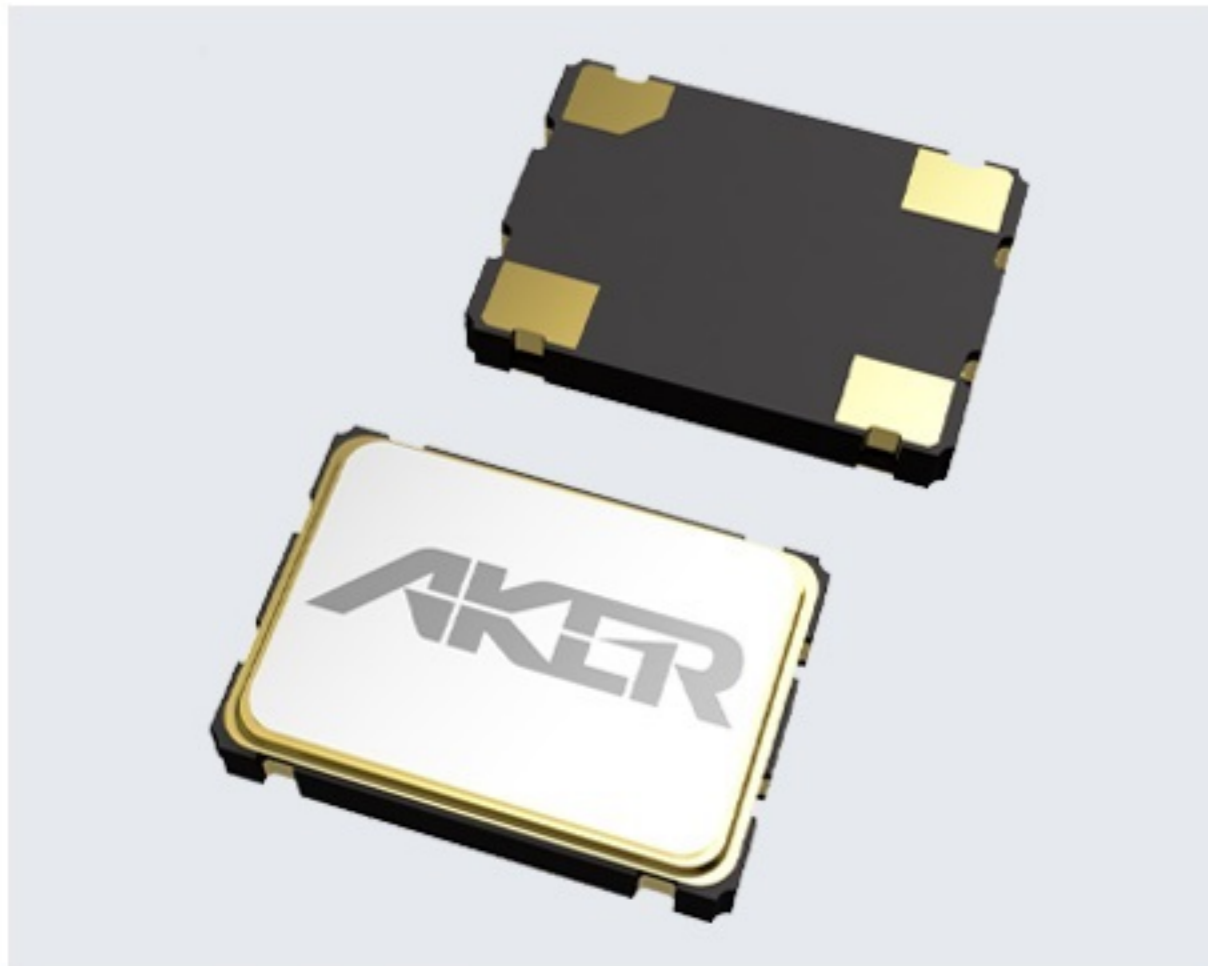


CRYSTAL OSCILLATORS

Automotive Grade

ACTUAL SIZE:

SMBF-751 SERIES CERAMIC PACKAGE



APPLICATIONS

- ▶ ECU
- ▶ Multi Media
- ▶ DVR

FEATURES

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

Specification

MODEL

FREQUENCY RANGE	MHz	1.000 ~ 110.000	1.000 ~ 156.250	1.000 ~ 156.250	1.000 ~ 110.000	1.000 ~ 40.000
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	+5.0 ± 10%
OUTPUT LEVEL		CMOS				
OUTPUT SYMMETRY	%	45 ~ 55 (at 50% VDC)				

INPUT CURRENT

1.0 ~ 9.9MHz	mA (Max.)	5	6	7	7	10
10.0 ~ 19.9MHz		6	7	7	7	15
20.0 ~ 31.9MHz		6	8	12	12	25
32.0 ~ 40.0MHz		15	20	20	20	35
40.1 ~ 79.9MHz		15	20	25	25	-
80.0 ~ 110.0MHz		20	25	30	30	-
110.1 ~ 156.25MHz		-	30	40	-	-

RISE/FALL TIME

1.0 ~ 31.9MHz	ns (Max.)	5	5	5	5	5
32.0 ~ 40.0MHz		5	5	5	5	5
40.1 ~ 79.9MHz		4	4	4	4	-
80.0 ~ 110.0MHz		3	3	3	3	-
110.1 ~ 156.25MHz		-	3	3	-	-

OUTPUT LOAD

15 pF (30 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)

SMBF-751 SERIES

