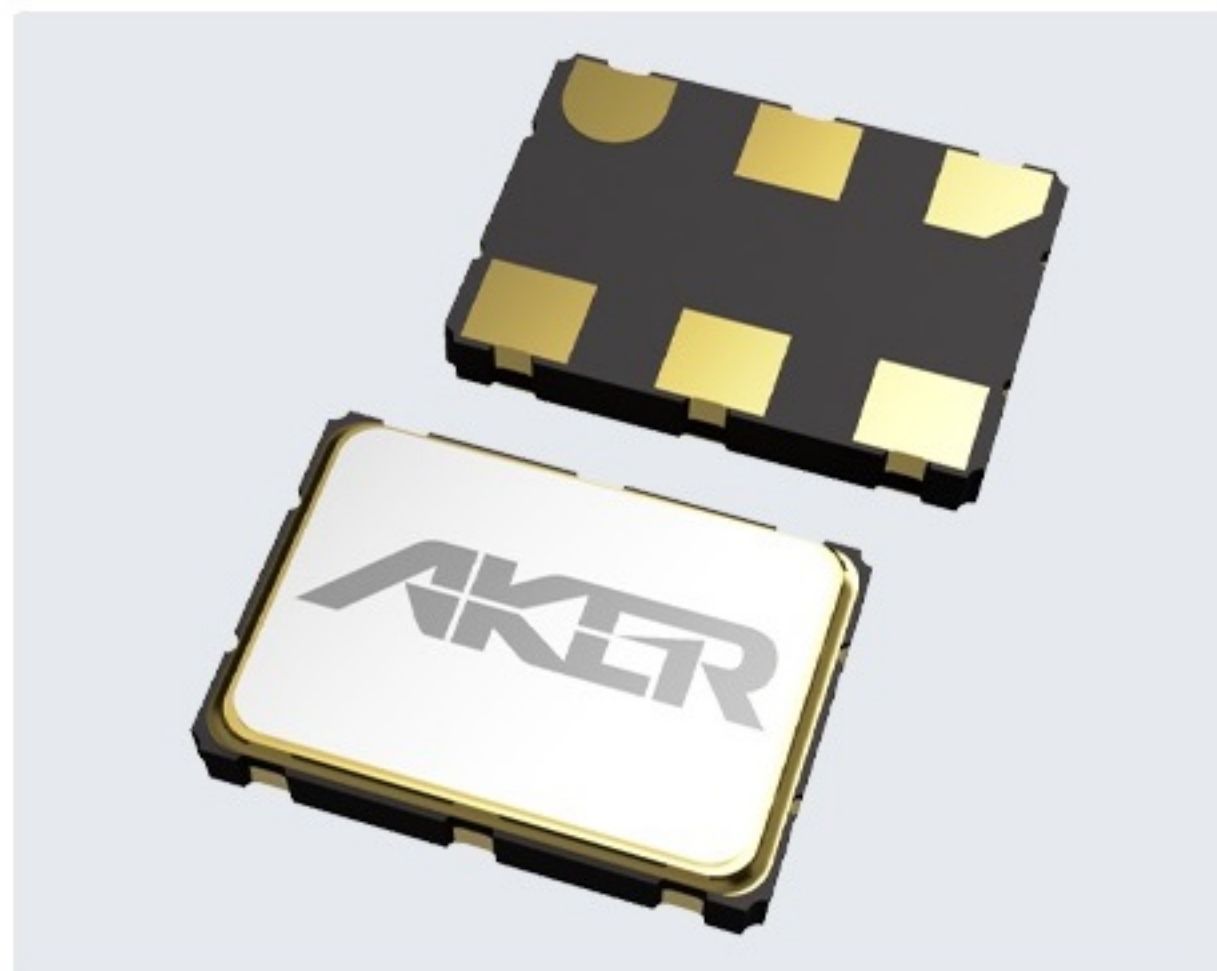


CRYSTAL OSCILLATORS

LVDS

ACTUAL SIZE:

SMDN-752 SERIES CERAMIC PACKAGE



APPLICATIONS

- ▶ SONET/SDH
- ▶ Fiber Channel
- ▶ Ethernet

FEATURES

- ▶ LVDS Complementary Output
- ▶ RoHS Compliant
- ▶ Low Profile Package Design (1.4mm height max.)

Specification

MODEL

FREQUENCY RANGE	MHz	160.000 ~ 800.000		
FREQUENCY STABILITY*	ppm	± 25 ~ ± 100		
OPERATING TEMPERATURE	°C	- 20 ~ + 70 Or - 40 ~ + 85		
STORAGE TEMPERATURE	°C	- 55 ~ + 125		
POWER SUPPLY VOLTAGE	VDC	+2.5 ± 5%	+3.3 ± 5%	
OUTPUT VOLTAGE HIGH (V _{OH})	V (Max.)	1.600	1.600	
OUTPUT VOLTAGE LOW (V _{OL})	V (Min.)	0.900	0.900	
OUTPUT LOAD (Between Q and QN)	Ω	100		
DIFFERENTIAL OUTPUT VOLTAGE	mV	247(Min.)	330(Typ.)	454(Max.)
OFFSET VOLTAGE	V	1.125(Min.)	1.250(Typ.)	1.375(Max.)
OUTPUT SYMMETRY	%	45 ~ 55	45 ~ 55	
INPUT CURRENT				
160.000 ~ 800.000MHz	mA (Max.)	50	50	
INPUT VOLTAGE				
INPUT ENABLE VOLTAGE (V _{IH})	V (Min.)	1.75	2.31	
INPUT DISABLE VOLTAGE (V _{IL})	V (Max.)	0.75	0.99	
RISE / FALL TIME (20% to 80% / 80% to 20% Output Swing)				
160.000 ~ 800.000MHz	ns (Max.)	0.5	0.5	
PHASE JITTER RMS (Fj:12K~20MHz)	ps (Max.)	2		
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	N.C.
#3	GND
#4	Output Q
#5	Output QN
#6	VDC

Enable/Disable Function

Pin #1	Pin #4 & Pin #5
HIGH(OPEN)	Output
LOW	High Impedance

Dimension(mm)

SMDN-752 SERIES

