



# SMD Quartz Crystal

## 8045

### Features

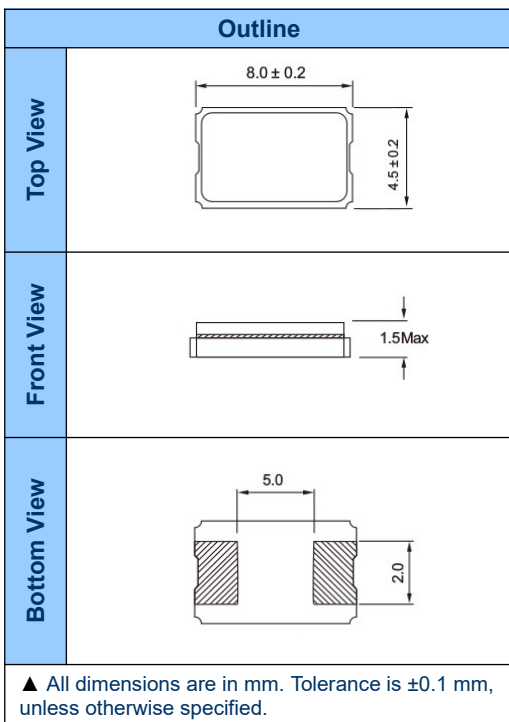
- 2-Pad SMD
- Tight Frequency Tolerance
- RoHS compliant

**Table 1**

OTR Codes	Stability Codes			D	F	H
	Temperature Stability			± 10 ppm	± 20 ppm	± 30 ppm
D	Operating Temperature Range	-10°C to +60°C				
C		-20°C to +70°C				
I		-40°C to +85°C				

Denotes Available     Denotes not Available

### Mechanical Specifications



**Table 3: Frequency Tolerance at 25°C**

Code	Tolerance
D	±10 ppm
E	±15 ppm
F	±20 ppm
H	±30 ppm

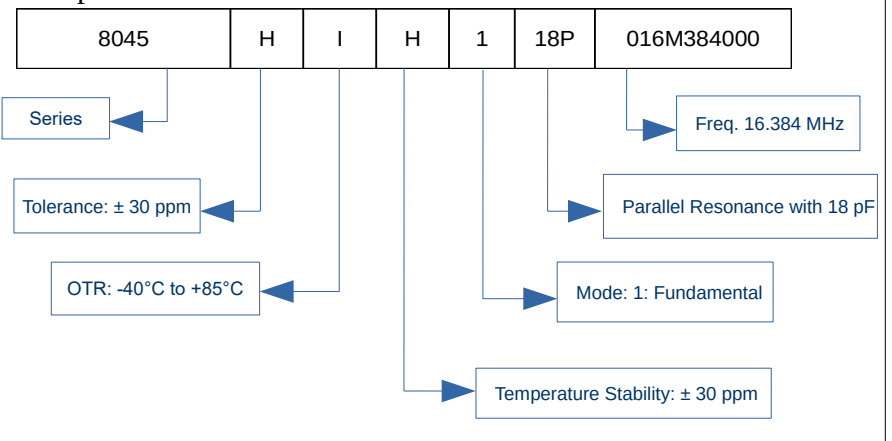
Specifications		Option Codes
Frequency Range:	6 MHz ~ 80 MHz	
Mode of Oscillation:	Fundamental 3 <sup>rd</sup> Overtone	1 3
Resonance Condition:	Series Resonance Parallel Resonance (for Parallel Resonance, Load Capacitance as XX in pF to be specified)	XXS XXP
Frequency Tolerance at 25°C:	Select from Table 3	
Operating Temperature Range (OTR):	Select from Table 1	
Temperature Stability:	Select from Table 1	
Equivalent Series Resistance (ESR):	See Table 2	
Shunt Capacitance, C <sub>0</sub> :	5 pF (max.)	
Drive Level:	100 μW (typ.)	
Aging @ 25°C:	±3 ppm/ year (max.)	
Storage Temperature Range:	-55°C to +125°C	

**Table 2: Equivalent Series Resistance**

Frequency Range (MHz)	Mode of Oscillation	ESR (max.)
6 ~ 10	Fundamental	70 Ω
10 ~ 30		40 Ω
30 ~ 80	3 <sup>rd</sup> Overtone	60 Ω

### Ordering Information

#### Example



Specifications subject to change without notice

Date of Issue: 23<sup>rd</sup> February 2021

Note: Not all combination of options are available. Other specifications may be available upon request.

Doc. No.: AE/DS/XS/008

ISSUE 01

REVISION 00

Page 1 of 1

Andhra Electronics Pvt. Ltd.

Plot No.: 34 & 35, IDA,  
Kakinada-533 005  
Andhra Pradesh, India  
URL: [www.andhraelec.com](http://www.andhraelec.com)

Phone: +91 884 234 2203  
Fax: +91 884 234 1145  
e-mail: [info@andhraelec.com](mailto:info@andhraelec.com)