



Features

- 2016 size, 0.75mm high, extremely small SMD seam sealed clock oscillator unit.
- Low voltage operation.
- Available frequency range: 4MHz ~54MHz
- 2-state function.
- Automatic mounting and reflow soldering.
- High reliable environmental performance.
- Applications: GPS, WiMax, Cellular, Wireless communications, Smart Phone, etc.
- Low current consumption.



Electrical Specifications

Type	SMD 2016 CRYSTAL OSCILLATOR
Output Type	CMOS
Output load	15pF, or Specify
Oscillation Mode	Fundamental
Supply Voltage	3.3V(1.8V, 2.5V available)
Frequency Range	4MHz~54MHz
Frequency Stability	±25ppm / ±50ppm
Operating Temperature Range	-20~+70°C, -40~+85°C, or specify
Storage Temperature Range	-55~+125°C
Voltage Vol(Max)/Voh(Min)	0.1VDD / 0.9VDD
Rise (Tr)/Fall(Tf) Time	5ns Max.
Supply Current	5mA Max.
Symmetry	45~55%
Start-up Time	5ms Max.
Phase Jitter(12kHz~20MHz)	1ps Max.
Aging(at 25°C)	±3ppm/Year Max.

Ordering Information

KOC2016	004M	15	33	25	A	
Product Code	Frequency Range	Output Load	Supply Voltage	Frequency Stability	Operating Temperature	
	4MHz	15=15pF	33=3.3V	25=±25ppm	A:-20~+70°C	D:-40~+125°C
					B:-10~+70°C	E:-10~+60°C
					C:-40~+85°C	F:-30~+70°C

Dimension

Units:mm

