

RoHS
Compliant



Applications

- IoT
- Consumer Electronics
- HDTV
- Communications
- Visual Applications, etc.

Features

- High Reliability & Low Cost
- Proven Resistance Welded Metal Package
- Tight Stability & Extended Temperature
- Wide frequency range from 3MHz to 100MHz

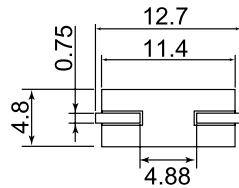
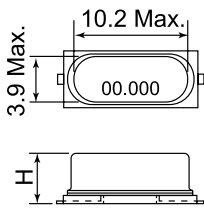
Standard Specifications

Type	MP-6C Series SMD Crystal
Frequency Range	3.2768~100MHz
Frequency Tolerance (at 25°C)	±30ppm, or specify
Frequency Stability Over Temperature	±30ppm, (Standard) or ±20ppm
Operating Temperature Range	-20°C to +70°C
Shunt Capacitance (C ₀)	7pF Max.
Drive Level	1-500μW (300μW Typ.)
Load Capacitance	16pF, 20pF, or 18pF
Aging (at 25°C)	±3ppm /year Max.
Storage Temperature Range	-55°C to +125°C
Packing Unit	200pcs.

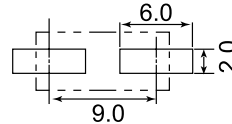
Equivalent Series Resistance

Fundamental		3rd Overtone	
3~3.79MHz	200Ω Max.	27~30MHz	100Ω Max.
3.8~5.0MHz	150Ω Max.	30~50MHz	80Ω Max.
5~10MHz	80Ω Max.	50~100MHz	60Ω Max.
10~14MHz	40Ω Max.	-	
14~36MHz	30Ω Max.		

Dimensions



Type	H
SMD	4
SSMD	3



Dimensions : Millimetres

Part Number Table

Description	Part Number
SMD Crystal, 49SMD, 18PF, 20PPM, 10MHz,	MP-6C-10.00-18-20-60-F-B-30-H
SMD Crystal, 49SMD, 20PF, 20PPM, 10MHz,	MP-6C-10.00-20-20-60-F-B-30-H
SMD Crystal, 49SMD, 18PF, 20PPM, 11MHz,	MP-6C-11.0592-18-20-50-F-B-30-H
SMD Crystal, 49SMD, 18PF, 20PPM, 12MHz,	MP-6C-12.00-18-20-50-F-B-30-H
SMD Crystal, 49SMD, 20PF, 20PPM, 12MHz,	MP-6C-12.00-20-20-50-F-B-30-H
SMD Crystal, 49SMD, 18PF, 20PPM, 12.288MHz,	MP-6C-12.288-18-20-50-F-B-30-H
SMD Crystal, 49SMD, 18PF, 20PPM, 14.7456MHz,	MP-6C-14.7456-18-20-50-F-B-30-H
SMD Crystal, 49SMD, 18PF, 20PPM, 16MHz,	MP-6C-16.00-18-20-30-F-B-30-H
SMD Crystal, 49SMD, 18PF, 20PPM, 18.432MHz	MP-6C-18.432-18-20-30-F-B-30-H
SMD Crystal, 49SMD, 18PF, 20PPM, 20.000MHz	MP-6C-20.00-18-20-30-F-B-30-H
SMD Crystal, 49SMD, 20PF, 20PPM, 20.000MHz	MP-6C-20.00-20-20-30-F-B-30-H
SMD Crystal, 49SMD, 18PF, 20PPM, 22.1184MHz	MP-6C-22.1184-18-20-30-F-B-30-H
SMD Crystal, 49SMD, 18PF, 20PPM, 24.000MHz	MP-6C-24.00-18-20-30-F-B-30-H
SMD Crystal, 49SMD, 18PF, 20PPM, 25.000MHz	MP-6C-25.00-18-20-30-F-B-30-H
SMD Crystal, 49SMD, 18PF, 20PPM, 26.000MHz	MP-6C-26.00-18-20-30-F-B-30-H
SMD Crystal, 49SMD, 18PF, 20PPM, 27.000MHz	MP-6C-27.00-18-20-30-F-B-30-H
SMD Crystal, 49SMD, 20PF, 20PPM, 27.000MHz	MP-6C-27.00-20-20-30-F-B-30-H
SMD Crystal, 49SMD, 18PF, 20PPM, 3.579545MHz	MP-6C-3.579545-18-20-150-F-B-30-H
SMD Crystal, 49SMD, 18PF, 20PPM, 3.6864MHz	MP-6C-3.6864-18-20-150-F-B-30-H
SMD Crystal, 49SMD, 18PF, 20PPM, 30.000MHz	MP-6C-30.00-18-20-30-F-B-30-H
SMD Crystal, 49SMD, 18PF, 20PPM, 4.000MHz	MP-6C-4.00-18-20-150-F-B-30-H
SMD Crystal, 49SMD, 18PF, 20PPM, 4.9152MHz	MP-6C-4.9152-18-20-150-F-B-30-H
SMD Crystal, 49SMD, 18PF, 20PPM, 6.000MHz	MP-6C-6.00-18-20-60-F-B-30-H
SMD Crystal, 49SMD, 18PF, 20PPM, 7.3728MHz	MP-6C-7.3728-18-20-60-F-B-30-H
SMD Crystal, 49SMD, 18PF, 20PPM, 8.000MHz	MP-6C-8.00-18-20-60-F-B-30-H
SMD Crystal, 49SMD, 20PF, 20PPM, 8.000MHz	MP-6C-8.00-20-20-60-F-B-30-H

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