

# MP24 & MP25 CRYSTALS

Note: MP24 and MP25 crystals are designed for top board assembly and one solder reflow process. Do not mount this part with the can mounted downwards.

## EQUIVALENT SERIES RESISTANCE

AT-Cut Fundamental	
Frequency Range MHz	ESR Ohms Max.
3.2~3.4	300
3.5~6.0	120
6.1~10.0	60
10.1~48.0	40

AT-Cut 3rd Overtone	
Frequency Range MHz	ESR Ohms Max.
27.0~30.0	150
30.1~50.0	100
50.1~70.0	80

AT-Cut 3rd Overtone	
Frequency Range MHz	ESR Ohms Max.
24.0~48.0	40

## PART NUMBER FORMAT

Example: **MP24 - 16.000 - 12 - 30/50/-20+70/100R**

Package  
MP24 or MP25

Frequency in MHz

Load Capacitance  
(Either SR for series or CL in pF)

Calibration tolerance  
at 25°C (±ppm)

Temperature Stability  
over temp. range (±ppm)

Operating Temp. Range (°C)  
(Lower and upper limits)

Equivalent Series Resistance  
(Optional - use when special  
value is required)

