

LP-2.0, LP-2.5, LP-3.0, LP-3.5



CRYSTAL

DIP

TYPICAL APPLICATIONS

Microprocessor Clock, Network Card, Cable Modems, ADSL, ISDN, Remote Control Device, Network Processor, A/V Card, Security System

FEATURES

Industry Standard Package, Lead-free, High Reliable Resistance Sealed, Tight Tolerance and Stability, RoHS Compliant Standard

DIMENSIONS

11.05 x 4.65 x H[mm]



TYPICAL SPECIFICATIONS

Model	LP-3.5/ LP-3.0/ LP-2.5		LP-2.0	
Nominal frequency range	3.5~40MHz	26~80MHz	10~40MHz	26~80MHz
Standard Frequency	3.57954, 4, 8, 14.31818, 20, 24, 27, 33.8688MHz			
Vibration Mode	Fundamental	3rd Overtone	Fundamental	3rd Overtone [AT]
Frequency Tolerance (@ +25°C)	±30 ppm, ±50 ppm			
Freq. Temp. Characteristics (Ref. to 25°C)	±30 ppm, ±50 ppm			
Operating Temperature Range	-10°C~ +60°C (-40°C~ +85°C)			
Storage Temperature Range	-40°C~+90°C			
Load Capacitance	Series, 10pF, 12pF, 16pF			
Shunt Capacitance	5pF Max.			
Drive Level	10μW (100μW Max.)			
Equivalent Series Resistance	See Table 1			
Aging (+25°C)	±3, ±5 ppm / year Max.			

Please consult with our sales department for other parameters.

* Package quantity 1,000 pcs max./box.

OUTLINE DIMENSIONS
Unit:mm

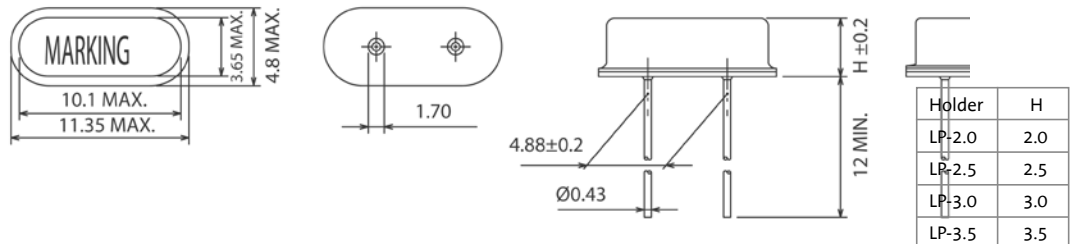


TABLE 1: ESR

LP Series		AT-cut 3rd Overtone	
AT-cut Fundamental		Frequency (MHz)	ESR (Ω)
Frequency (MHz)	ESR(Ω)	26.000~39.999	80
3.500~3.799	180	40.000~80.000	70
3.800~4.999	150		
4.500~5.999	120		
6.000~7.999	80		
8.000~9.999	60		
10.000~19.999	40		
20.000~39.999	30		

All specifications are subject to change without notice.