

AT-41 / AT-41CD2

For OA / AV

A highly stable and reliable low-height crystal unit with a metallic package, also suitable for surface mounting.

- · Compatible with surface mounting.
- Airtight metal package ensures high-reliability.
- Taping package is for customer automatic loading operation.
- AT-41CD2 meets the requirements for re-flow profiling using leadfree solder.







■ Specifications

Item Model	AT-41			AT-41CD2		
Nominal Frequency	3 to 37MHz	26 to 60MHz	60 to 75MHz	3 to 37MHz	26 to 60MHz	60 to 75MHz
Overtone Order	Fundamental 3rd overtone		Fundamental	ntal 3rd overtone		
Frequency Tolerance (25 ±3 °C)	±20 × 10 ⁻⁶			±20 × 10 ⁻⁶		
Frequency versus Temperature Characteristics (with reference to +25 °C)	±30 × 10 ⁻⁶			±30 × 10 ⁻⁶		
Operating Temperature Range	−10 to +70 °C			−10 to +70 °C		
Storage Temperature Range	−40 to +85 °C			−40 to +85 °C		
Equivalent Series Resistance	Refer to *1			Refer to *1		
Level of Drive	Refer to *2 (Max. 1000 μW)			Refer to *2 (Max. 1000 μW)		
Load Capacitance	16 pF	Series resonance		16 pF	Series resonance	
Specifications Number	STD-LPH-9	STD-LPH-10	STD-LPH-11	LN-L-0002	STD-LPH-3	STD-LPH-5

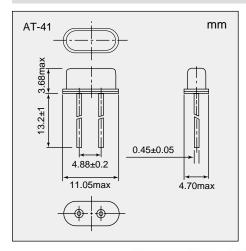
*1 Equivalent Series Resistance

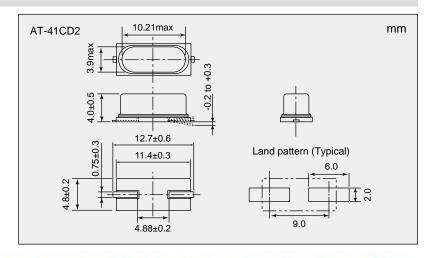
i Equivalent Series (Vesistance						
Overtone Order	Nominal Frequency (MHz)	Equivalent Series Resistance max. [Ω]				
Fundamental	3 to 3.2	400				
	3.2 to 3.5	200				
	3.5 to 4	150				
	4 to 4.5	120				
	4.5 to 5	100				
	5 to 6	80				
	6 to 8	70				
	8 to 10	60				
	10 to 12	50				
	12 to 37	40				
3rd overtone	26 to 35	140				
	35 to 48	100				
	48 to 75	80				

*2 Drive Level

Overtone Order	Nominal Frequency (MHz)	Drive Level (μW)		
Fundamental	3 to 5	500		
	5 to 37	50		
3rd overtone	26 to 60	500		
	60 to 75	10		

■ Dimensions





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