

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	Fundamental 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

1 Equivalent concentor	1 Equivalent Series Resistance						
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









