

HIGH FREQUENCY CYLINDRICAL TYPE MICROPROCESSOR CRYSTAL

AB308

AB308

8.8 x ø3.2



RoHS
Compliant

FEATURES:

- High stability by tight vacuum sealing
- Excellent resistant to vibration and shock
- Miniature high frequency cylinder type crystal

APPLICATIONS:

- Suitable for wide range of application
- Clocks for microprocessor
- Consumer electronics
- Test equipment
- Computer peripherals

STANDARD SPECIFICATIONS:

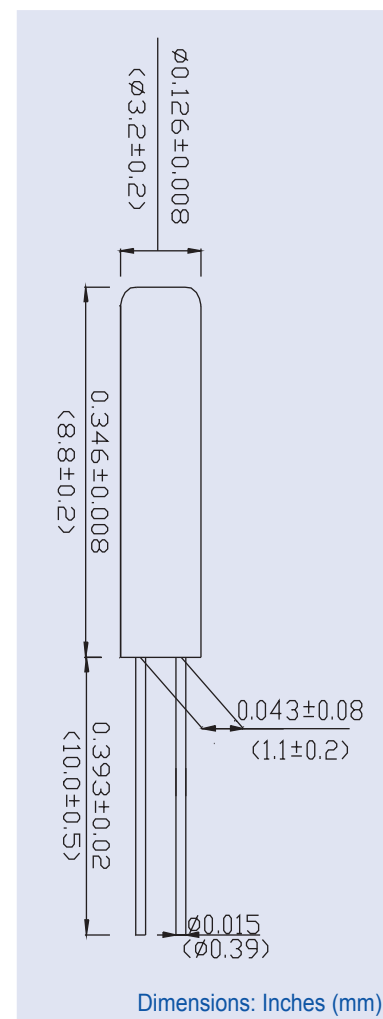
PARAMETERS

ABRACON P/N	AB308 Series
Frequency	4.001 MHz to 70 MHz
Operation Mode	4.001MHz - 26.999MHz (Fundamental)(Standard) 27.000MHz - 70.0MHz (Third-Overtone)(Standard) 27.000MHz - 34.0MHz (Fundamental)(See options)
Operating Temperature	-10°C to + 60°C (see options)
Storage Temperature	- 40°C to + 85°C
Frequency Tolerance	± 30 ppm max. (see options)
Frequency Stability over the Operating Temp. (Ref to +25°C)	± 50 ppm max. (see options)
Equivalent Series Resistance (R1)	See Table 1
Shunt Capacitance C ₀	5pF max.
Load Capacitance C _L	16pF (see options)
Drive Level	100µW max.
Aging at 25°C Per Year	± 5ppm max.
Insulation Resistance	500 MΩ min at 100Vdc ± 15V

TABLE 1: ESR

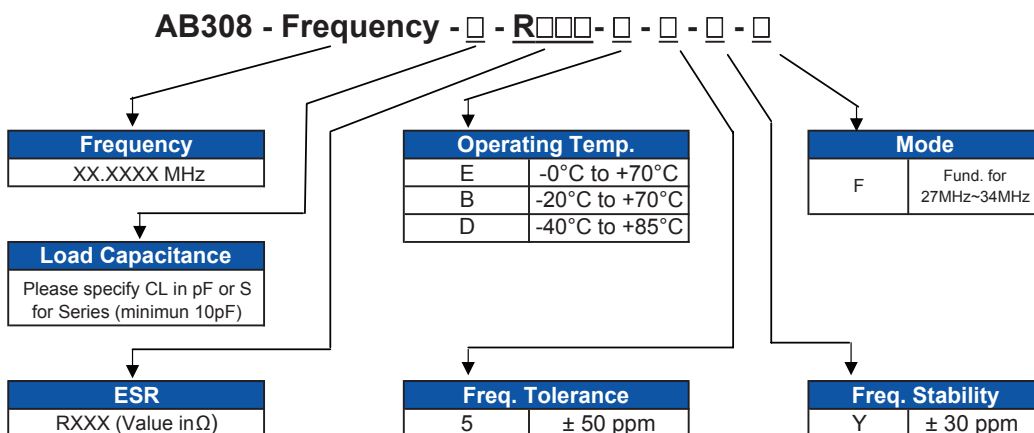
FREQUENCY (MHz)	ESR (Ω)
4.001-5.999	150
6.000-9.999	100
10.000-26.999	50
27.000-35.99(Fund.)	50
27.000-35.99(OT)	100
36.00-70.00(OT)	80

OUTLINE DRAWING:



OPTIONS AND PART IDENTIFICATION:

(Left blank if standard)



Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

ABRACON:

[AB308-10.000MHZ](#) [AB308-14.31818MHZ](#) [AB308-12.000MHZ](#) [AB308-26.540MHZ](#) [AB308-29.4912MHZ](#) [AB308-7.3728MHZ](#) [AB308-14.7456MHZ](#) [AB308-4.9152MHZ](#) [AB308-53.125MHZ](#) [AB308-20.000MHZ](#) [AB308-6.000MHZ](#) [AB308-28.6363MHZ](#) [AB308-16.667MHZ](#) [AB308-16.000MHZ](#) [AB308-8.000MHZ](#) [AB308-5.000MHZ](#) [AB308-28.000MHZ](#) [AB308-12.288MHZ](#) [AB308-12.352MHZ](#) [AB308-16.257MHZ](#) [AB308-22.5792MHZ](#)