



**THE DATASHEET OF  
ABM8-25.000MHZ-D2Y-T**



# CERAMIC SMD CRYSTAL



**ABM8**

Moisture Sensitivity Level (MSL) – This product is Hermetically Sealed and not Moisture Sensitive-MSL = N/A: Not Applicable



**RoHS**  
Compliant

3.2 x 2.5 x 0.8mm

## FEATURES:

- Seam sealed package assures high reliability
- Tight tolerance and stability available
- Suitable for RoHS reflow

## APPLICATIONS:

- High density applications
- Modems, communication and test equipment
- PCMCIA, Wireless applications

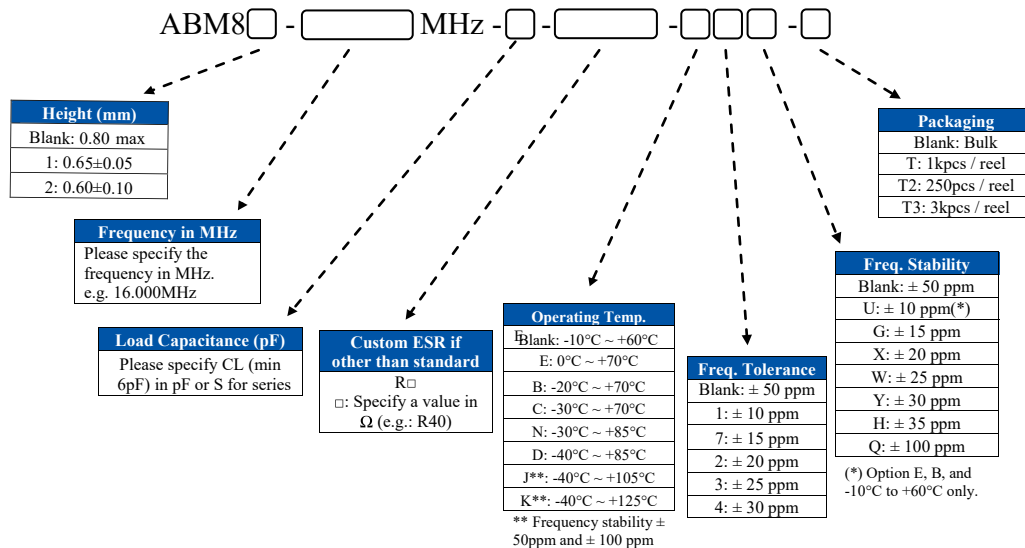
## STANDARD SPECIFICATIONS:

| Parameters  | Minimum  | Typical | Maximum  | Units | Notes  |
|---|--|---------|----------|-------|--|
| Frequency Range   | 8.000  |         | 125.000* | MHz   | Contact Abracon for available F<10MHz                              |
| Operation Mode  | Fundamental  |         |          |       | 8MHz - 54MHz   |
|   | 3rd Overtone<br>(Standard Frequencies: 64, 66, 66.6666, 75, 80, 98.304, 100, 125MHz) |         |          |       | 64MHz - 125MHz<br>Please contact Abracon for available frequencies |
| Operating Temperature   | -10  |         | +60      | °C    | Standard<br>(see options if other than STD)                        |
| Storage Temperature   | -55  |         | +125     | °C    |  |
| Frequency Tolerance @+25°C  | -50  |         | +50      | ppm   | Standard<br>(see options if other than STD)                        |
| Frequency Stability over the Operating Temperature ( ref. to +25°C) | -50  |         | +50      | ppm   | Standard<br>(see options if other than STD)                        |
| Equivalent series resistance (R1)                                   | See table 1 below  |         |          | Ω     |  |
| Shunt capacitance (C0)  |  |         | 3.0      | pF    |  |
| Load capacitance (CL)   |  | 18.0    |          | pF    | Standard (See options if other than STD)                           |
| Drive Level   |  | 10      | 100      | μW    |  |
| Aging   | -2   |         | +2       | ppm   | @25°C±3°C<br>First year  |
| Insulation Resistance   | 500  |         |          | MΩ    | @ 100Vdc ± 15V   |

TABLE 1- Standard ESR

| Frequency (MHz)        | ESR(Ω) max | Frequency (MHz)           | ESR(Ω) max |
|------------------------|------------|---------------------------|------------|
| 8.000-9.999 (Fund)     | 400        | 30.000 - 39.999 (Fund)    | 40         |
| 10.000 -11.999 (Fund)  | 200        | 40.000 - 54.000 (Fund)    | 35         |
| 12.000 -15.999 (Fund)  | 120        | 64.000 - 80.000 (3rd OT)  | 120        |
| 16.000 -19.999 (Fund)  | 70         | 98.304 - 125.000 (3rd OT) | 80         |
| 20.000 - 29.999 (Fund) | 50         |                           |            |



## OPTIONS AND PART IDENTIFICATION: (Left blank if standard)





## Looking for pricing, stock, or lifecycle information?

Click below to explore more details on WIN SOURCE:

-  [View ABM8-25.000MHZ-D2Y-T on WIN SOURCE](#)
-  [Abracon LLC Information](#)

## Optimize Your Supply Chain with WIN SOURCE Solutions

-  Global Sourcing Solution
-  Obsolete Management
-  Cost Control Management
-  Shortage Management
-  Alternative Solution
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