



**THE DATASHEET OF  
8Z-25.000MAAJ-T**



### Features

- Frequency range : 12MHz to 66MHz
- Ceramic SMD package
- Seam sealing
- External dimensions (mm)  
L : 2.5 x W : 2.0 x H : 0.55
- RoHS compliant & Pb free

### Applications

- Bluetooth, Wireless LAN
- Microprocessor
- Mobile phone, Computer, Modem
- Audio, Video
- Consumer products

### Electrical Characteristics

Item		8Z	Conditions
Frequency Range	$F_0$	12MHz ~ 66MHz	
Frequency Tolerance	$F_{tol}$	$\pm 30\text{ppm}$ , $\pm 20\text{ppm}$ , $\pm 10\text{ppm}$	at 25°C
Frequency Stability over Operating Temperature Range (refer to 25°C)	$F_{stab}$	$\pm 30\text{ ppm}$	-20°C ~ +70°C
		$\pm 20\text{ ppm}$	
		$\pm 10\text{ ppm}$	
		$\pm 10\text{ ppm}$	-30°C ~ +85°C
		$\pm 30\text{ ppm}$	-40°C ~ +85°C
		$\pm 20\text{ ppm}$	
		$\pm 60\text{ ppm}$	-40°C ~ +125°C
Operating Temperature Range	$T_{OTR}$	-20°C ~ +70°C	
		-40°C ~ +85°C	
		-40°C ~ +125°C	
Shunt Capacitance	$C_0$	3pF Max.	
Drive Level	$D_L$	1 ~ 200 $\mu$ W (100 $\mu$ W Typ.)	
Load Capacitance	$C_L$	6pF, 7pF, 8pF, 9pF, 10pF 12pF, 16pF, 18pF, 20pF	
Aging (at 25°C $\pm$ 3°C, first year)	$F_{aging}$	$\pm 3\text{ppm}$ Max.	Note [1]
Storage Temperature Range	$T_{STR}$	-55°C ~ +125°C	

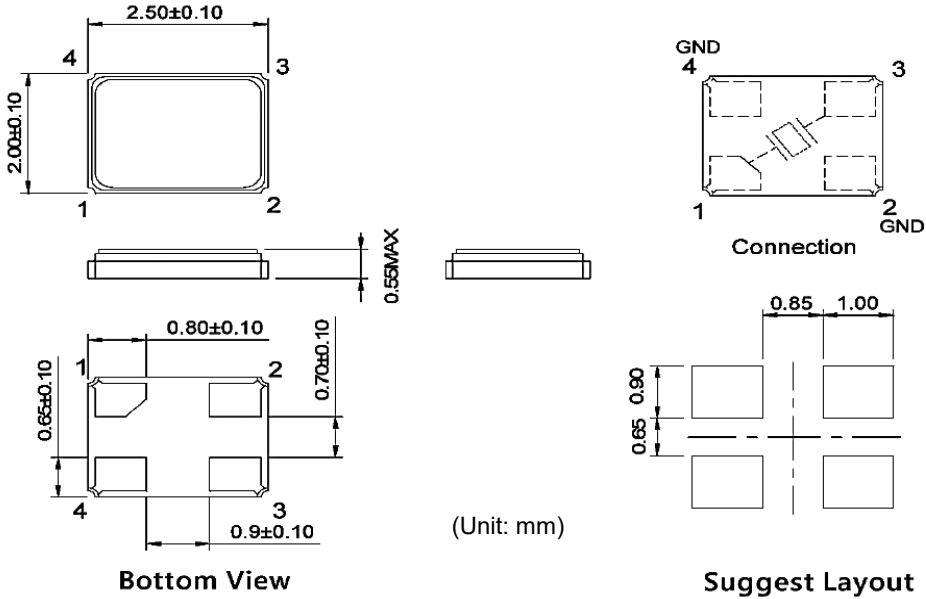
#### Notes:

[1] Please contact us for low aging +/-1ppm grade crystals.

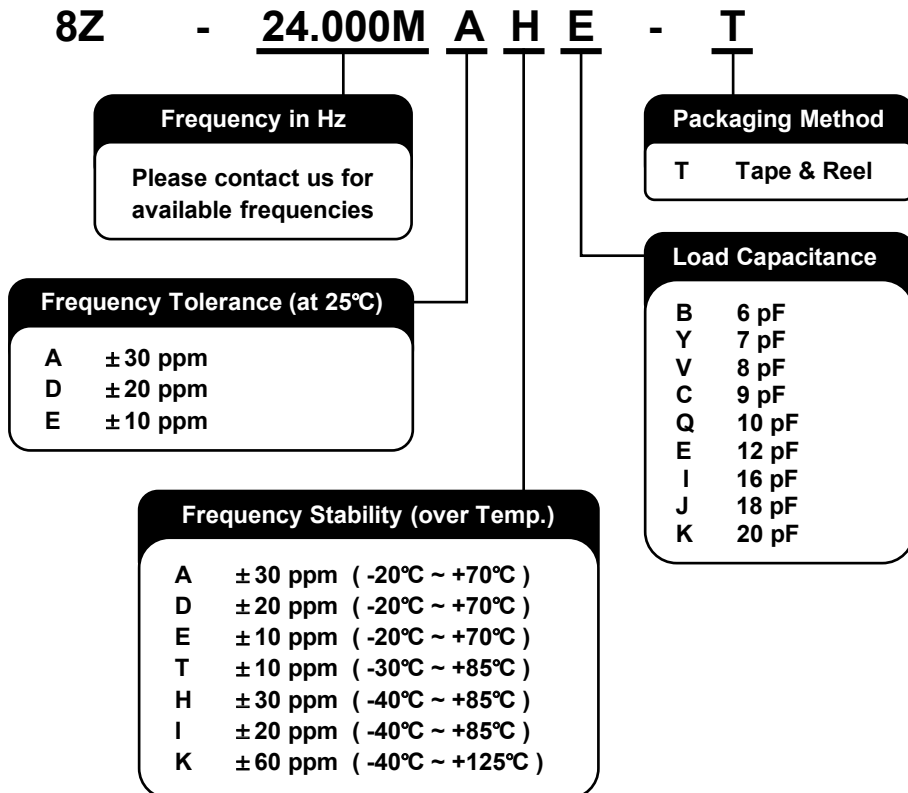
### Motional Resistance (ESR)

Fundamental	
12 ~ 13 MHz	150 $\Omega$ Max.
14 ~ 30 MHz	100 $\Omega$ Max.
30 ~ 66 MHz	60 $\Omega$ Max.

### Dimensions





### Ordering Information





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

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