

● Ceramic Resonator (陶瓷谐振器) – ZTA, ZTT, ZTB series

● ZTA, ZTT DIP Series



● Applications 用途:

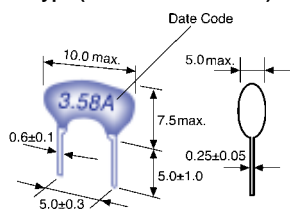
Telephones, Transceivers, Pagers, LAN Card, CATV Sets, Car alarms, Home security, VHF/UHF Transmitters/Receivers, IR Remote Controls, etc. 电话, 无线收发机, 传呼机, 网卡, 有线电视, 汽车报警器, 家用防盗, 高频/超高频发射接收器, 红外线遥控器等。

● Feature 特征:

- Wide Frequency range from 2.0 up to 40.0MHz. 宽频范围 2.0~40.0MHz.
- Bulk in Vinyl bag & paper Taping package. 塑料袋装及纸编带包装。
- Oscillation circuit no need external load capacitors. 电路不需外加负载电容。

● CTA Series.MHz Ceramic Resonators in DIP Package. (高频用引线型陶瓷谐振器)。

● MG Type (2.00 MHz~ 8.00 MHz)



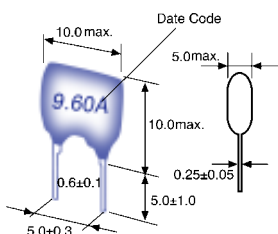
Electrical Specifications (电气规格)

Part Number 料号	Frequency Range(MHz) 频率范围	Frequency Tolerance (%) 频差	Resonant Resistance(Ω) 电阻	Temperature Characteristics of Oscillation Frequency(%) 温度频差	Aging Rate(%) 老化率
ZTA □.□□ MG □	2.00~2.99	± 0.5	80	± 0.3	± 0.3
ZTA □.□□ MG □	3.00~ 03.49	± 0.5	50	± 0.3	± 0.3
ZTA □.□□ MG □	3.50~8.00	± 0.5	30	± 0.3	± 0.3

- Withstanding voltage (5 seconds max.) : 100V DC
- Insulation resistance : $5 \times 10^9 \Omega$ min. (at 10V DC)
- Please consult for other specifications. (若有其它规格需求请告知)

● MT Type (5.00 MHz~ 13.00 MHz)

● MX Type (13.01 MHz~ 50.00 MHz)



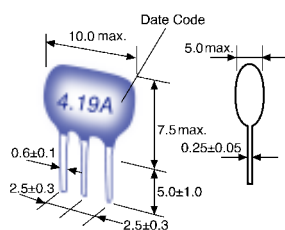
Electrical Specifications (电气规格)

Part Number 料号	Frequency Range(MHz) 频率范围	Frequency Tolerance (%) 频差	Resonant Resistance(Ω) 电阻	Temperature Characteristics of Oscillation Frequency(%) 温度频差	Aging Rate(%) 老化率
ZTA □.□.□□ MT	5.00~6.99	± 0.5	30	± 0.3	± 0.3
ZTA □.□.□□ MT	7.00~13.00	± 0.5	25	± 0.3	± 0.3
ZTA □.□.□□ MX	13.01~50.00	± 0.5	30	± 0.3	± 0.3

- Withstanding voltage (5 seconds max.) : 100V DC
- Insulation resistance : $5 \times 10^9 \Omega$ min. (at 10V DC)
- Please consult for other specifications. (若有其它规格需求请告知)

● CTT Series.MHz Ceramic Resonator with Built-in Capacitor in DIP Package. (高频三引线内置电容谐振器)。

● MG Type (2.00 MHz~ 8.00 MHz)

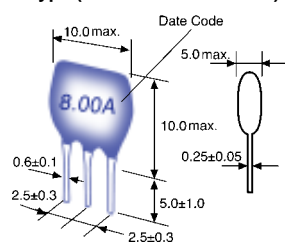


Electrical Specifications (电气规格)

Part Number 料号	Frequency Range(MHz) 频率范围	Frequency Tolerance (%) 频差	Resonant Resistance(Ω) 电阻	Temperature Characteristics of Oscillation Frequency(%) 温度频差	Aging Rate(%) 老化率
ZTT □.□□ MGW	2.00~2.99	± 0.5	80	± 0.3	± 0.3
ZTT □.□□ MGW	3.00~3.49	± 0.5	50	± 0.3	± 0.3
ZTT □.□□ MGW	3.50~8.00	± 0.5	30	± 0.3	± 0.3

- Withstanding voltage (5 seconds max.) : 100V DC
- Insulation resistance : $5 \times 10^9 \Omega$ min. (at 10V DC)
- $C_1 = C_2 = 30\text{pF}/22\text{pF} \pm 20\%$
- Please consult for other specifications. (若有其它规格需求请告知)

● MT Type (5.00 MHz~ 13.00 MHz)/MX Type (13.01 MHz~ 50.00 MHz)



Electrical Specifications (电气规格)

Part Number 料号	Frequency Range(MHz) 频率范围	Frequency Tolerance (%) 频差	Resonant Resistance(Ω) 电阻	Temperature Characteristics of Oscillation Frequency(%) 温度频差	Aging Rate(%) 老化率
ZTT □.□.□□ MT	5.00~6.99	± 0.5	30	± 0.3	± 0.3
ZTT □.□.□□ MT	7.00~13.00	± 0.5	25	± 0.3	± 0.3
ZTT □.□.□□ MX	13.01~50.00	± 0.5	30	± 0.3	± 0.3

- Withstanding voltage (5 seconds max.) : 100V DC
- Insulation resistance : $5 \times 10^9 \Omega$ min. (at 10V DC)
- $C_1 = C_2$: 30pF $\pm 20\%$ (8.01~20.00MHz); 15pF $\pm 20\%$ (20.01~25.99MHz); 5pF $\pm 20\%$ (26.00~50.00MHz)
- Please consult for other specifications. (若有其它规格需求请告知)