

Features

Frequency range : 20MHz to 64MHz
 Compact and thin
 Glass sealing, ceramic SMD package
 External dimensions (mm)
 L : 2.0 x W : 1.6 x H : 0.6
 RoHS compliant
 Contains Pb, exempted by RoHS directive

Applications

Notebook, Hard disk
 Computer peripherals
 OA, AV applications
 Home electronics
 Portable consumer products

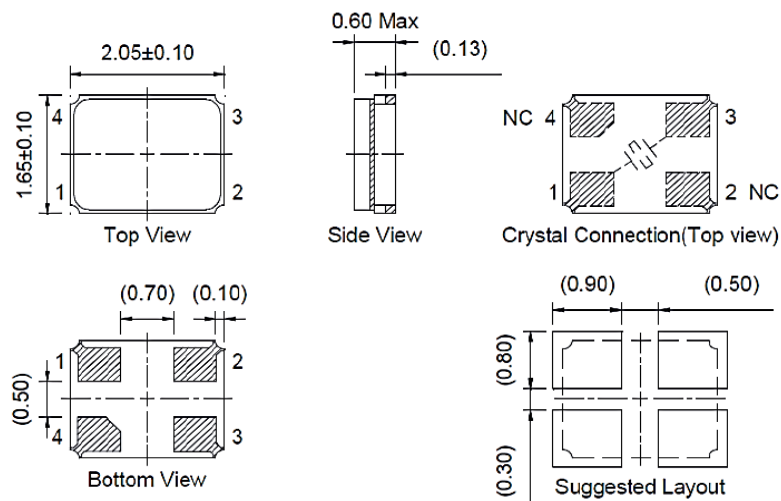
Electrical Characteristics

Item		7R	Conditions
Frequency Range	F_0	20MHz ~ 64MHz	
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
		$\pm 50\text{ ppm}$	-40°C ~ +85°C
		$\pm 30\text{ ppm}$	
		$\pm 20\text{ ppm}$	-40°C ~ +125°C
		$\pm 60\text{ ppm}$	
Operating Temperature Range	T_{OTR}	-20°C ~ +70°C	
		-30°C ~ +85°C	
		-40°C ~ +85°C	
		-40°C ~ +125°C	
Shunt Capacitance	C_0	2pF Max.	
Drive Level	D_L	1 ~ 100μW (10μW Typ.)	
Load Capacitance	C_L	6pF, 7pF, 8pF, 9pF, 10pF 12pF, 16pF, 18pF, 20pF	
Aging	F_{aging}	$\pm 3\text{ ppm Max.}$	at 25°C $\pm 3^\circ\text{C}$, first year
Storage Temperature Range	T_{STR}	-55°C ~ +125°C	

Motional Resistance (ESR)

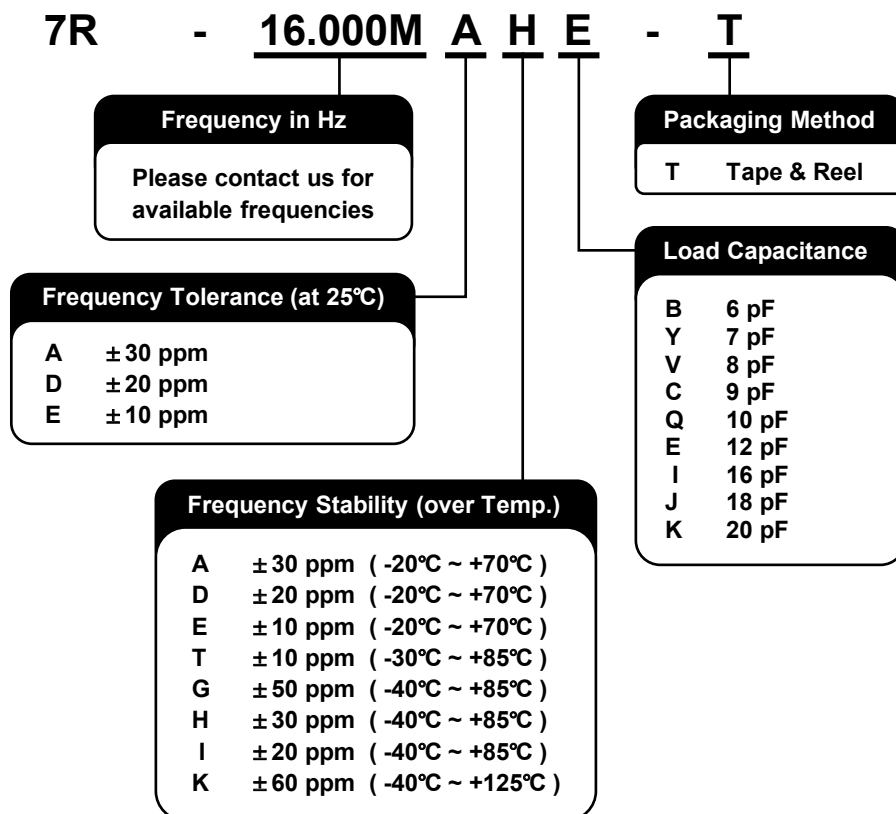
Fundamental	
20 ~ 24 MHz	200Ω Max.
24 ~ 30 MHz	150Ω Max.
30 ~ 36 MHz	120Ω Max.
36 ~ 64 MHz	80Ω Max.

Dimensions

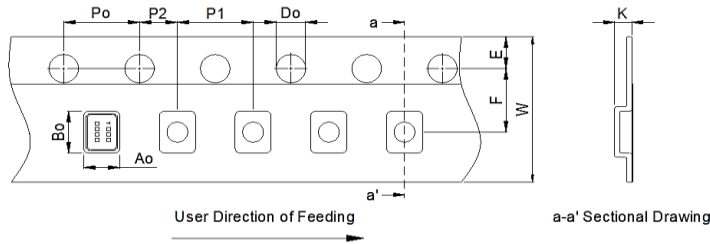


Units: mm

Ordering Information

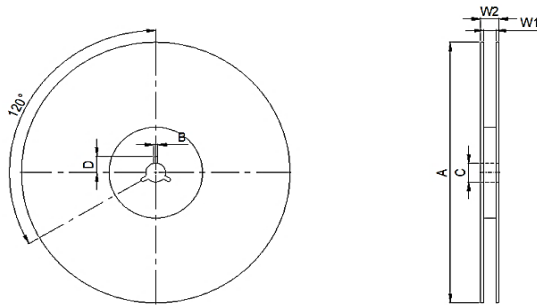


Packing



DIMENSIONS	A0	B0	D0	E	F
	1.90±0.10	2.30±0.10	1.55±0.10	1.75±0.10	3.50±0.10
	K	P0	P1	P2	W
	0.90±0.10	4.00±0.10	4.00±0.10	2.00±0.10	8.00±0.20

(Unit: mm)



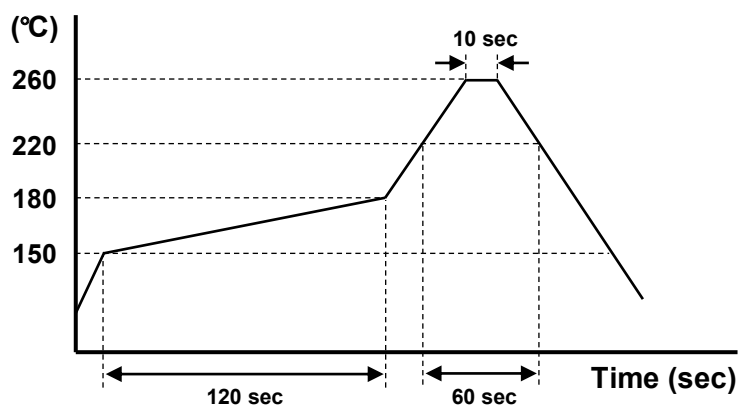
DIMENSIONS	A	B	C	D	W1	W2
	178.00±1.00	2.75±0.25	13.00±0.50	11.00±0.50	8.50±0.50	11.50±0.20

(Unit: mm)

Reflow Profile

Solder melting point : 220°C ± 10°C, 60 sec. Min.

Peak temperature : 260°C ± 5°C, 10 sec. Min.



Mouser Electronics

Authorized Distributor

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

[TXC Corporation:](#)

[7R-24.000MAAJ-T](#) [7R-24.000MAAV-T](#) [7R-24.000MDDDB-T](#) [7R-24.000MDDJ-T](#) [7R-27.000MDDQ-T](#) [7R-27.000MDIE-](#)
[T](#) [7R-27.000MEAB-T](#) [7R-27.000MEDJ-T](#) [7R-27.000MEDQ-T](#) [7R-27.120MAAQ-T](#) [7R-27.120MDDV-T](#) [7R-](#)
[27.120MEHQ-T](#) [7R-30.000MDIK-T](#) [7R-32.000MDAV-T](#) [7R-32.000MDIE-T](#) [7R-32.000MEEB-T](#) [7R-32.000MEEV-T](#)
[7R-32.000MEIB-T](#) [7R-24.000MDIK-T](#) [7R-24.000MDIV-T](#) [7R-24.000MEDQ-T](#) [7R-24.000MEDV-T](#) [7R-24.000MEEC-T](#)
[7R-24.000MEEE-T](#) [7R-24.000MEEV-T](#) [7R-24.000MEEY-T](#) [7R-25.000MAAJ-T](#) [7R-25.000MAAQ-T](#) [7R-25.000MAHB-](#)
[T](#) [7R-25.000MAHQ-T](#) [7R-25.000MDAK-T](#) [7R-25.000MDDDB-T](#) [7R-25.000MDDE-T](#) [7R-25.000MDDQ-T](#) [7R-](#)
[26.000MDDDB-T](#) [7R-26.000MEEC-T](#) [7R-26.000MEEY-T](#) [7R-27.000MAAY-T](#) [7R-40.000MEEC-T](#) [7R-32.000METQ-T](#)
[7R-38.400MDIQ-T](#) [7R-20.000MDDI-T](#) [7R-20.000MDDV-T](#) [7R-24.000MDDC-T](#) [7R-24.000MDIC-T](#) [7R-24.576MDDV-T](#)
[7R-24.576MEEB-T](#) [7R-25.000MDDK-T](#) [7R-25.000MEIK-T](#) [7R-26.000MEEE-T](#) [7R-26.000MEIQ-T](#) [7R-26.000MEIY-T](#)
[7R-27.000MDDY-T](#) [7R-27.120MAAB-T](#) [7R-27.120MDHV-T](#) [7R-30.000MDAQ-T](#) [7R-31.250MAAB-T](#) [7R-](#)
[31.250MAAQ-T](#) [7R-31.250MDAB-T](#) [7R-31.250MDAQ-T](#) [7R-32.000MEDQ-T](#) [7R-32.000MEEQ-T](#) [7R-32.000MEIC-T](#)
[7R-32.000MEIE-T](#) [7R-32.000MEIQ-T](#) [7R-32.000MEJE-T](#) [7R-37.400MEDI-T](#) [7R-38.400MDIE-T](#) [7R-40.000MEEV-T](#)
[7R-48.000MDIQ-T](#) [7R-48.000MDIV-T](#) [7R-24.000MDIE-T](#) [7R-24.000MAHE-T](#)