

**CRYSTAL UNITS****T38****Cylinder Crystal**

T38

Thru-Hole

RoHS Complaint Optional

**Features:**

- ◆ Miniature, welded package
- ◆ High Stability
- ◆ Perfect for Communication Devices
- ◆ Tubular Design
- ◆ Low cost alternative

**Model: T38 Specificaton**

Frequency Range	3.579 to 27.00 MHz
Operating Temperature	-20 to 70°C
Frequency Tolerance at 25°C	±15 ppm, ±30 ppm, ±50 ppm
Frequency Stability	±30 ppm, ±50 ppm
Aging	±5 ppm/yr. max. @ 25°C
Load Capacitance	16 pF typical
Resistance	See Table
Drive Level	10 to 50µ W
Shunt Capacitance	5.0 pF max.
Insulation Resistance	500 MΩ at DC100 V

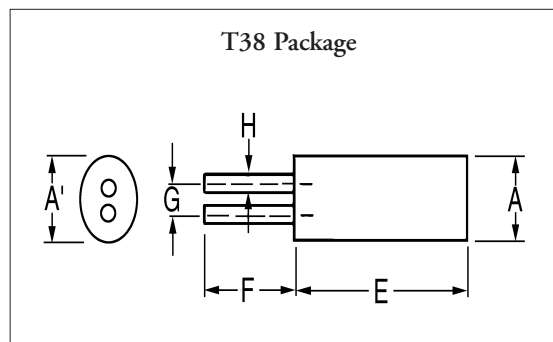
CRYSTAL: T38 Series Cylinder Crystal

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Frequency (MHz)	Mode	ERS max. (Ω)
3.597 ≤ 4.00	AT1	≤120
4.00 ≤ 5.00	AT1	≤110
5.00 ≤ 7.00	AT1	≤100
7.00 ≤ 10.00	AT1	≤80
10.00 ≤ 12.00	AT1	≤70
12.00 ≤ 14.00	AT1	≤60
14.00 ≤ 16.00	AT1	≤40
16.00 ≤ 27.00	AT1	≤20

**Dimensions: T38**

TYPE	A	A'	E	F	G	H
T38 In.	.118	.122 max.	.323 max.	.394 ±.039	.043 ±.008	.014 ±.01
T38 mm	(3.0)	(3.1 max.)	(8.2 max.)	(10 ± 1)	(1.1 ± 0.2)	(ø0.35 ± 0.07)



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