



### Specifications

<b>Package</b>		C30R - Cylinder Tuning Fork
<b>Frequency Range (fo)</b>		3.50 ~ 90.00MHz
<b>Mode of Operation</b>		AT Fund./ 3 <sup>rd</sup> Overtone / BT Fund.
<b>Frequency Stability</b>	<b>Calib. Tol. @ 25°C</b>	± 30ppm (std.); 10ppm (opt.)
	<b>Temp. Range</b>	± 30ppm (std.); 20ppm (opt.)
	<b>Aging/Year (fa)</b>	± 5ppm (std.)
<b>Temp. Range</b>	<b>Operating (TOPR)</b>	-10°C ~ 60°C (std.)
	<b>Storage (TSTC)</b>	-40°C ~ 85°C (std.)
<b>Drive Level (DL)</b>		50 W ~ 100 W
<b>Capacitance</b>	<b>Load (CL)</b>	18pF (std.); Specify if different
	<b>Shunt (C<sub>o</sub>)</b>	7pF (max.)
<b>Equiv. Series Resist. (R<sub>1</sub>)</b>		Varies per frequency (see chart)

### Actual Size



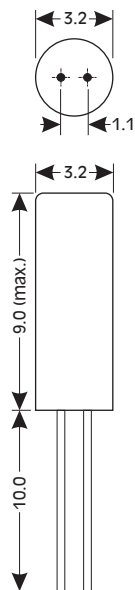
### RoHS Compliant Lead Free



### E.S.R. (Std. Max. Ratings)

<b>3.50 ~ 4.00MHz AT-Cut Fund.*</b>	200
<b>4.01 ~ 6.00MHz AT-Cut Fund.</b>	150
<b>6.01 ~ 10.0MHz AT-Cut Fund.</b>	100
<b>10.01 ~ 30.0MHz AT-Cut Fund.</b>	50
<b>30.0 ~ 40.0MHz BT-Cut Fund.</b>	20
<b>30.0 ~ 39.9MHz AT-Cut 3<sup>rd</sup> O/T</b>	100
<b>40.0 ~ 90.0MHz AT-Cut 3<sup>rd</sup> O/T</b>	60

### Dimensions (mm)



**\*NOTE:** Cylinder height is increased to 10.5mm for 3.5~4MHz frequency range.

### Standard Options

#### Tolerance Stability

<b>C1</b>	100/100ppm
<b>C2</b>	10ppm/20ppm
<b>C3</b>	10ppm/30ppm
<b>C4</b>	10ppm/50ppm
<b>C5</b>	15ppm/20ppm
<b>C6</b>	20ppm/20ppm
<b>C7</b>	20ppm/30ppm
<b>C8</b>	20ppm/50ppm
<b>C9</b>	30ppm/30ppm
<b>C10</b>	30ppm/50ppm
<b>C11</b>	40ppm/45ppm
<b>C12</b>	50ppm/100ppm
<b>SC</b>	Cust. Stability

#### Operating Temp

<b>R1</b>	-0 ~ +50°C
<b>R2</b>	-10 ~ +60°C
<b>R3</b>	-10 ~ +70°C
<b>R4</b>	-20 ~ +70°C
<b>R5</b>	-30 ~ +80°C
<b>R6</b>	-40 ~ +85°C
<b>R7</b>	-5 ~ +55°C
<b>RC</b>	Custom Temp.

#### Operation Mode

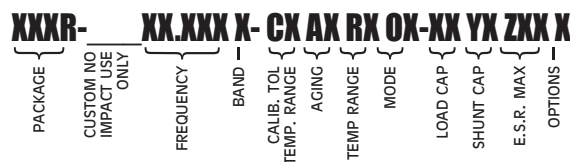
<b>FB</b>	BT-Cut Fund.
<b>O3</b>	AT-Cut 3rd O/T

#### Load Cap

<b>##</b>	Specify Load
<b>S</b>	Series

#### Aging

<b>A1</b>	1ppm/year max
<b>A3</b>	3ppm/year max
<b>A4</b>	4ppm/year max
<b>AC</b>	Custom Aging



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