

# T48s Crystal Tuning Fork

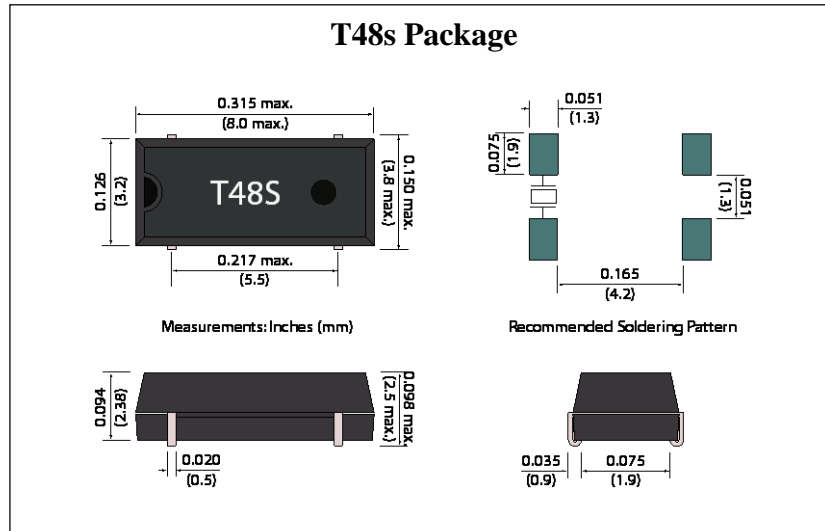


**FEATURES:**

Plastic Package  
Pick and Place Compatible

Gull-wing Package  
8.0 x 3.2 x 2.5 mm

Parameter	Unit	Min.	Typ.	Max.
Frequency	kHz	32.768		
Operating Temperature Range	°C	-20 to +70 or -40 to +85		
Frequency Tolerance at 25°C	ppm	-	±20	-
Frequency Stability	ppm	±100, ±150		
Turnover Temperature	°C	25 ±5		
Load Capacitance (C <sub>L</sub> )	pF	9.0 or 12.5		
Shunt Capacitance (C <sub>0</sub> )	pF	-	-	3
Temperature Coefficient	ppm/°C <sup>2</sup>	-	-	-0.04
Series Resistance (R)	kOhms	-	-	70
Drive Level	µW		0.1	0.5
Quality Factor (Q)		-	3000	-
Aging per year	ppm	-	-	±3
Storage Temperature	°C	-55	-	125



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**Example Part Number:** T48s- A-A-48-A-32K768

T48s -  -  -  -  -

1                      2                      3                      4                      5

<b>Tolerance</b>	<b>Stability</b>	<b>Temp. Range</b>	<b>Load Cap.</b>	<b>Frequency</b>
A = ±20	A = ±150 B = ±100	27 = -20 to +70°C 48 = -40 to +85°C	A = 12.5 B = 9.0	Frequency in kHz i.e. 32K768 use k for decimal point