



TEC1-07103T125

- TEC Element with Center Hole
- Q_{max} : 16.6 W
- 30 x 30 x 4.9 mm
- Ceramic Plates
- RoHS Compliant



Description

TEC1-07103T125 is a 1-stage thermo-electric cooling (TEC) element with **center hole**, consisting of **71 couples**, with a maximum cooling capacity of **16.6 W**, and max. operating temperature of **125 °C**. It features ceramic plates with silicone sealant and heat resistant wires. Variants with without sealant or with epoxy sealant are available on request.

Specifications ($T_H = 27^\circ\text{C}$)

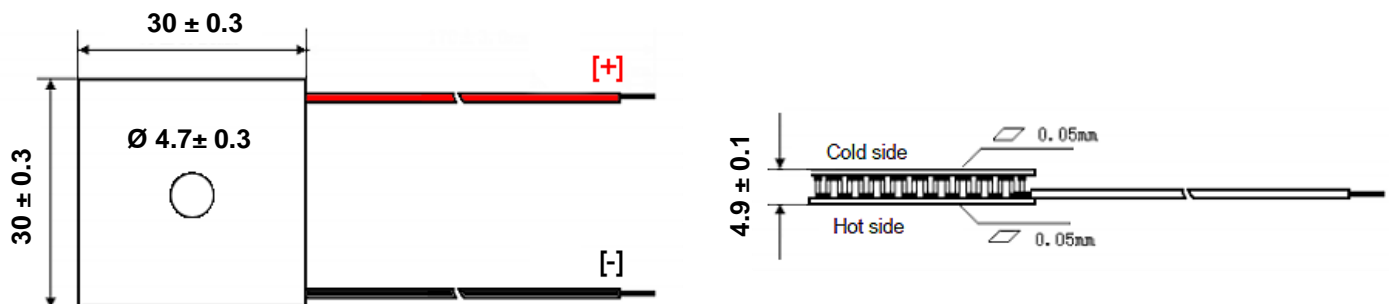
Parameter	Symbol	Value*	Unit
Maximum Current [ΔT_{max}]	I_{max}	3.0	A
Maximum Voltage [ΔT_{max}]	U_{max}	8.5	V
Internal Resistance [$T_H = 27^\circ\text{C}$]	R	2.38	Ω
Maximum Cooling Capacity [$I_{max}, V_{max}, \Delta T = 0^\circ\text{C}$]	Q_{max}	16.6	W
Maximum Temperature Difference [$I_{max}, V_{max}, Q = 0 \text{ W}$]	ΔT_{max}	67	$^\circ\text{C}$
Maximum Operating Temperature	T_{max}	125**	$^\circ\text{C}$
Solder Melting Point	T_{sol}	138***	$^\circ\text{C}$
Maximum Recommended Plate Pressure	P_{PLT}	98.0	N/cm ²
Dimensions		30 x 30 x 4.9	mm
Center Hole Diameter		4.7	mm
Length of Leads [20 AWG]		~ 150	mm

* Tolerance $\pm 10\%$

** T_{MAX} of 150 $^\circ\text{C}$ and 200 $^\circ\text{C}$ optionally available

*** T_{SOL} of 238 $^\circ\text{C}$ optionally available

Outline Dimensions



All dimensions in mm