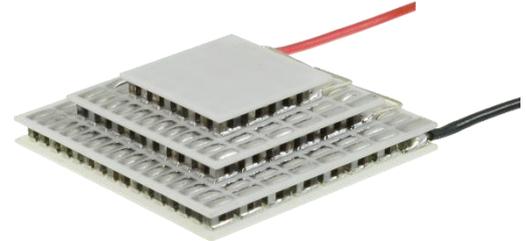




TEC3-22903T125

- Thermo-Electric Cooling Element
- Q_{\max} : 11.9 W
- 40 x 40 x 10.8 mm
- Ceramic Plates
- RoHS Compliant



Description

TEC2-22903T125 is a **3-stage** thermo-electric cooling (**TEC**) element, consisting of **229 couples**, with a maximum cooling capacity of **11.9 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 ($T_H = 27^\circ\text{C}$)

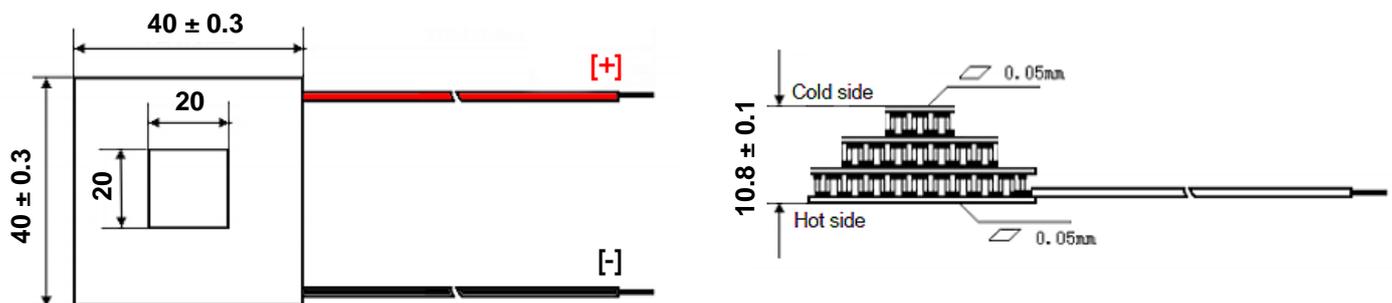
Parameter	Symbol	Value*	Unit
Maximum Current [ΔT_{\max}]	I_{\max}	3.0	A
Maximum Voltage [ΔT_{\max}]	U_{\max}	15.2	V
Internal Resistance [$T_H = 27^\circ\text{C}$]	R	4.5	Ω
Maximum Cooling Capacity [$I_{\max}, V_{\max}, \Delta T = 0^\circ\text{C}$]	Q_{\max}	11.9	W
Maximum Temperature Difference [$I_{\max}, V_{\max}, Q = 0 \text{ W}$]	ΔT_{\max}	100	$^\circ\text{C}$
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		40 x 40 x 10.8	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