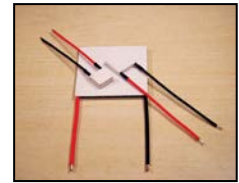




TES1-3202T125

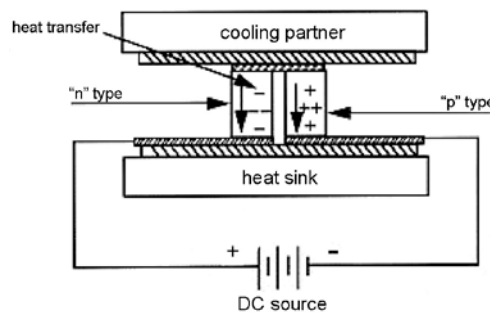
TECHNICAL DATA



Micro-Thermoelectric Cooling Module

Q_{Cmax}=4.31 W

Thermoelectric cooling uses the Peltier effect to create a heat flux between the junction of two different types of materials. A Peltier cooler is a solid-state active heat pump which transfers heat from one side of the device to the other side against the temperature gradient (from cold to hot), with consumption of electrical energy.



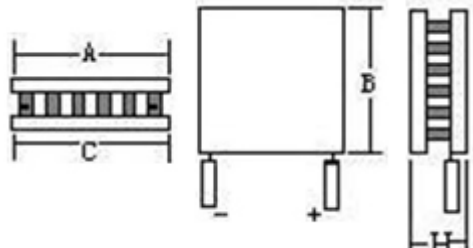
Principle schematics

TES1-3202T125 is a 1 stage, 32 couples, 4.31W Peltier element for cooling and heating.

Specifications

Symbol	Condition	Min.	Typ.	Max.	Unit
V _{max}		-	-	3.87	V
I _{max}		-	-	2.0	A
Q _{Cmax}	ΔT = 0 °C, Th = 27 °C	-	-	4.31	W
ΔT _{max}	Q _c = 0 W, Th = 27 °C	-	-	67	°C
R					Ω
Couples			32		
T _{max}			150		°C
T _{max continuous}			125		°C
Weight			>1		g

Outer Dimensions



A	8.2 mm
B	8.2 mm
C	10.3 mm
H	2.2 mm

Note: The above specifications are for reference purpose only and subjected to change without prior notice.