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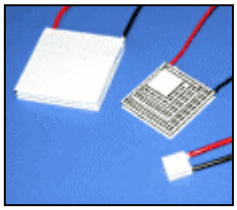


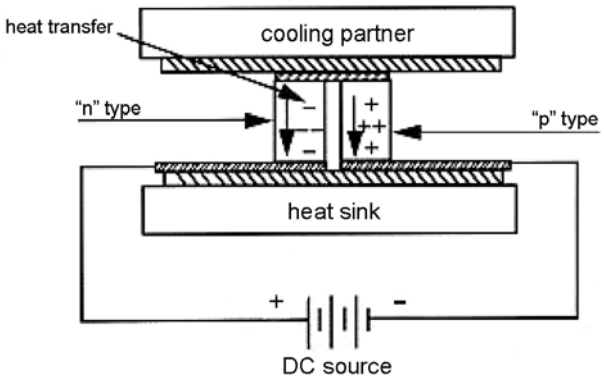
TEC1-00705T125

TECHNICAL DATA

Thermoelectric Cooler, Qc=2.8 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:

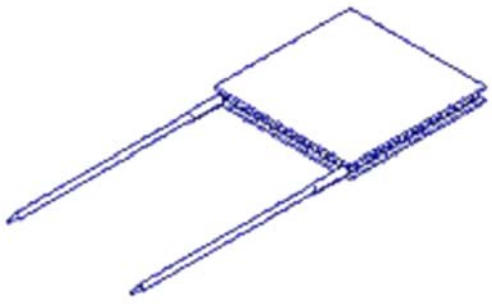


TEC1-00705T125 is a 1 stage, 7 couples, 2.8W peltierelement for cooling and heating

Specifications

Symbol	Condition	Min.	Typ.	Max.	Unit
U_{max}		-	-	0.85	V
I_{max}		-	-	5.0	A
Qc_{max}	ΔT = 0 °C, Th= 27 °C	-	-	2.8	W
ΔT_{max}	Qc = 0 W, Th= 27 °C	-	-	67	°C
R		-	0.13	-	Ω
Couples			7		
T_{max}			150		°C
$T_{max\ continuous}$			125		°C
Weight			3		g

Outline Dimensions



lenght	10 mm
widht	10 mm
height	04 mm