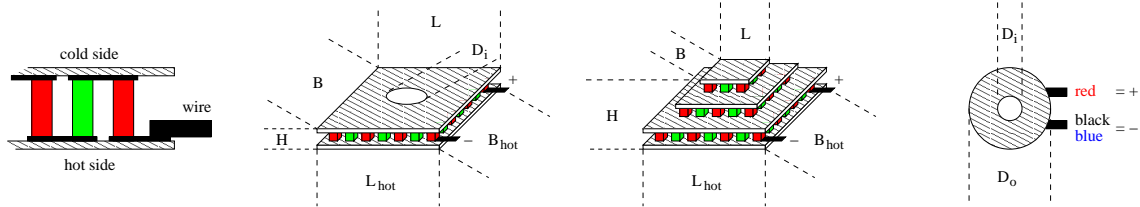


# TEC2L-30-30-23/73

professional low cost peltier element



## thermal and electrical data:

thermal force:

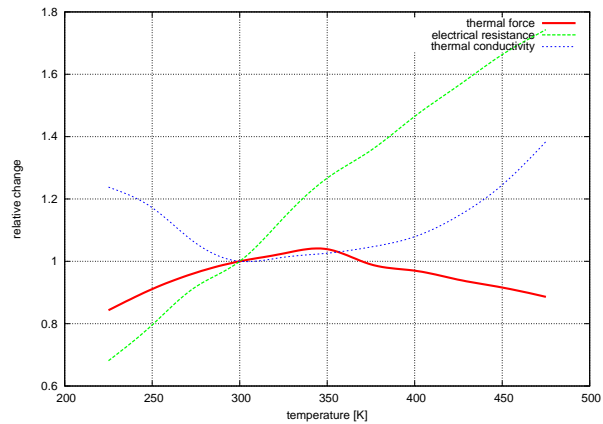
$$\alpha_{300K} \quad 0.0511 \quad \frac{V}{K}$$

resistance:

$$\rho_{300K} \quad 5.94 \quad \Omega$$

thermal conductivity:

$$\gamma_{300K} \quad 0.187 \quad \frac{W}{K}$$



available maximum operating temperatures:  $T_{max}$  125, 150, 200 °C  
 tolerances: ±15%

## mechanical data:

size of cold side:

$$L \times B \times H \quad 30.0 \times 30.0 \times 4.40 \text{ mm}$$

size of hot side:

$$L_{hot} \times B_{hot} \quad 30.0 \times 30.0 \text{ mm}$$

height tolerance:

$$\Delta H \quad \pm 0.5 \text{ mm}$$

length and width tolerances:

$$\Delta L \text{ and } \Delta B \quad \pm 1.0 \text{ mm}$$

weight:

$$m \quad 19 \text{ g}$$

ceramic plates:

BK-100 (grey), BK-96 (white) or AlN (opaque)

location of production:

China

## experimental data:

typical values at:

		$T_h = 50^\circ C:$	$T_h = 300 K:$
maximum cooling power:	$Q_{max}$	23.0 W	19.8 W
	at $\Delta T = 0$ and $I_{Q_{max}}$	2.8 A	2.6 A
maximum temperature difference:	$\Delta T_{max}$	73.4 K	65.0 K
	at $Q = 0$ and $I_{\Delta T_{max}}$	2.2 A	2.0 A
	$U_{max}$	16.5 V	15.3 V

## order information:

TEC2L-30-30-23/73-CS: sealed, max. 125°C

TEC2L-30-30-23/73-DS: sealed, max. 150°C

TEC2L-30-30-23/73-HS: sealed, max. 200°C