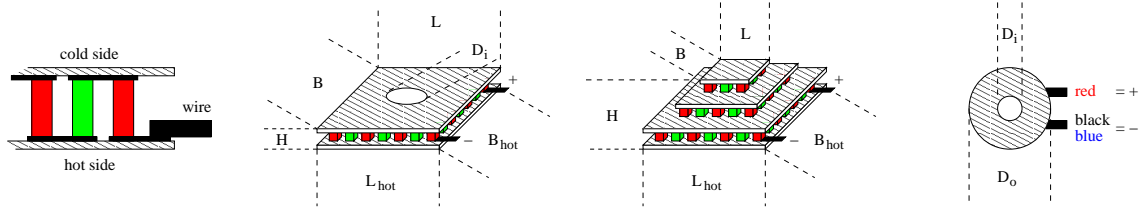


TEC2S-30-30-103/68

professional standard peltier element



thermal and electrical data:

thermal force:

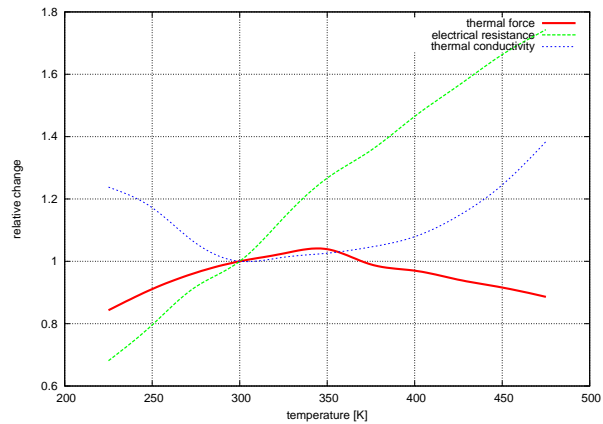
$$\alpha_{300K} \quad 0.0297 \quad \frac{V}{K}$$

resistance:

$$\rho_{300K} \quad 0.448 \quad \Omega$$

thermal conductivity:

$$\gamma_{300K} \quad 0.940 \quad \frac{W}{K}$$



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

mechanical data:

size of cold side:

$$L \times B \times H \quad 30.0 \times 30.0 \times 3.00 \text{ mm}$$

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:

$$m \quad 13 \text{ g}$$

ceramic plates:

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

location of production:

China

experimental data:

typical values at:

		$T_h = 50^\circ\text{C}$:	$T_h = 300\text{K}$:
maximum cooling power:	Q_{max}	102.6 W	88.4 W
	at $\Delta T = 0$ and $I_{Q_{max}}$	21.4 A	19.9 A
maximum temperature difference:	ΔT_{max}	68.0 K	60.1 K
	at $Q = 0$ and $I_{\Delta T_{max}}$	16.9 A	15.9 A
	U_{max}	9.6 V	8.9 V

order information:

TEC2S-30-30-103/68-CS: sealed, max. 125°C

TEC2S-30-30-103/68-DS: sealed, max. 150°C

TEC2S-30-30-103/68-HS: sealed, max. 200°C