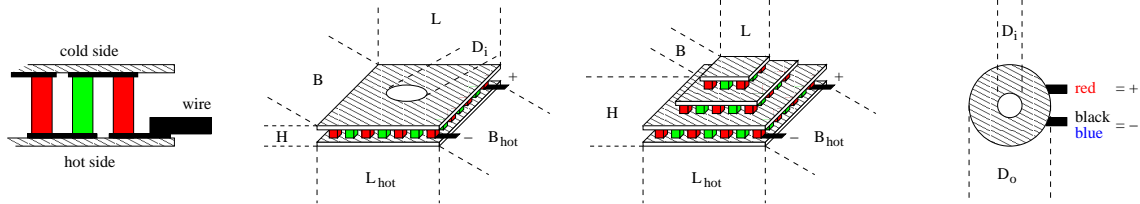


TEC2S-15-15-4.8/76

professional standard peltier element



thermal and electrical data:

thermal force:

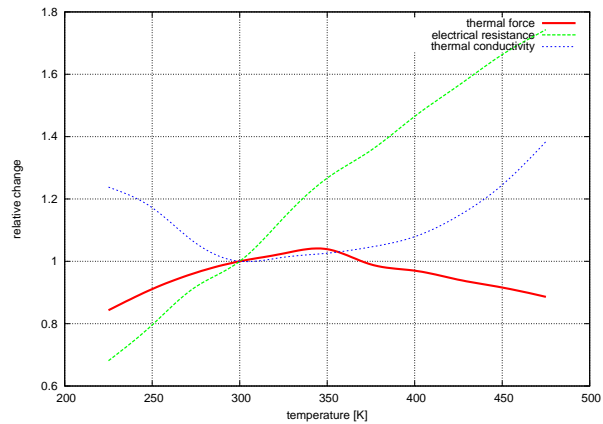
$$\alpha_{300K} = 0.00690 \frac{V}{K}$$

resistance:

$$\rho_{300K} = 0.513 \Omega$$

thermal conductivity:

$$\gamma_{300K} = 0.0375 \frac{W}{K}$$



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

mechanical data:

size of cold side:

$$L \times B \times H = 15.0 \times 15.0 \times 5.40 \text{ mm}$$

size of hot side:

$$L_{hot} \times B_{hot} = 15.0 \times 15.0 \text{ mm}$$

height tolerance:

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

length and width tolerances:

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

weight:

$$m = 6 \text{ g}$$

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}	4.8 W	4.2 W
	at $\Delta T = 0$ and $I_{Q_{max}}$	4.3 A	4.0 A
maximum temperature difference:	ΔT_{max}	75.7 K	67.1 K
	at $Q = 0$ and $I_{\Delta T_{max}}$	3.3 A	3.1 A
	U_{max}	2.2 V	2.1 V

order information:

TEC2S-15-15-4.8/76-CS: sealed, max. 125°C

TEC2S-15-15-4.8/76-DS: sealed, max. 150°C

TEC2S-15-15-4.8/76-HS: sealed, max. 200°C