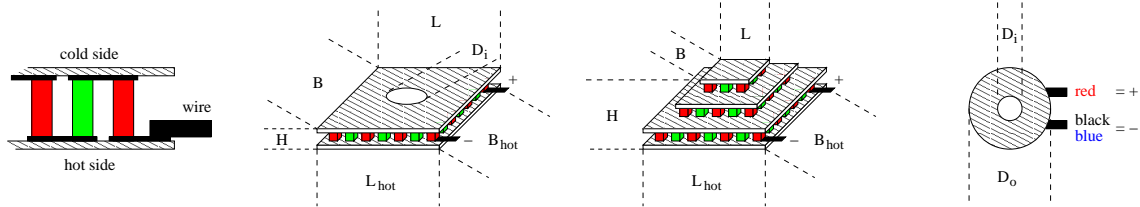


TEC2H-62-62-437/75

professional high power peltier element



thermal and electrical data:

thermal force:

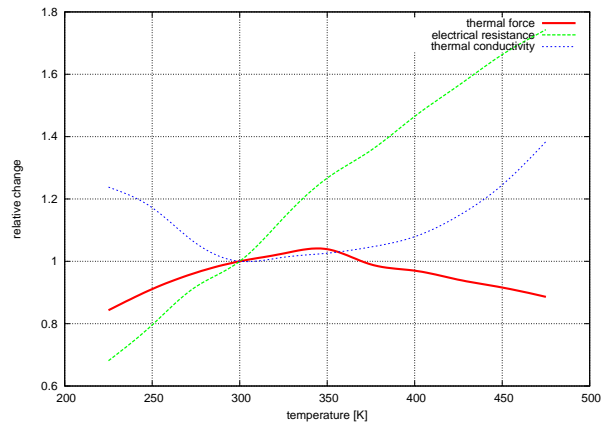
$$\alpha_{300K} = 0.0826 \frac{V}{K}$$

resistance:

$$\rho_{300K} = 0.815 \Omega$$

thermal conductivity:

$$\gamma_{300K} = 3.47 \frac{W}{K}$$



available maximum operating temperatures: T_{max} 125, 150, 200 °C

tolerances: ±15%

mechanical data:

size of cold side:

$$L \times B \times H = 62.0 \times 62.0 \times 3.50 \text{ mm}$$

size of hot side:

$$L_{hot} \times B_{hot} = 62.0 \times 62.0 \text{ mm}$$

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:

$$m = 62 \text{ g}$$

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}	437.3 W	376.8 W
	at $\Delta T = 0$ and $I_{Q_{max}}$	32.8 A	30.4 A
maximum temperature difference:	ΔT_{max}	74.5 K	66.0 K
	at $Q = 0$ and $I_{\Delta T_{max}}$	25.2 A	23.7 A
	U_{max}	26.7 V	24.8 V

order information:

TEC2H-62-62-437/75-CS: sealed, max. 125°C

TEC2H-62-62-437/75-DS: sealed, max. 150°C

TEC2H-62-62-437/75-HS: sealed, max. 200°C