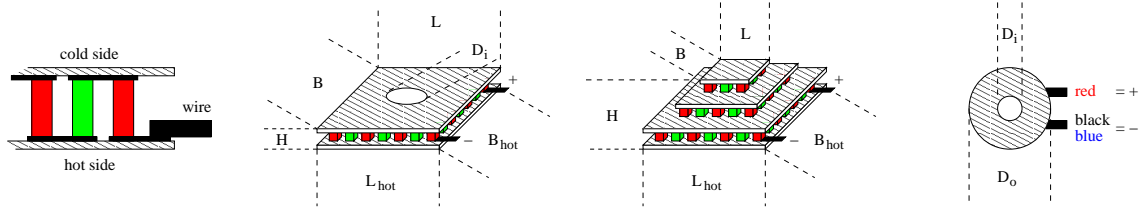


# TEC2H-62-62-339/77

professional high power peltier element



## thermal and electrical data:

thermal force:

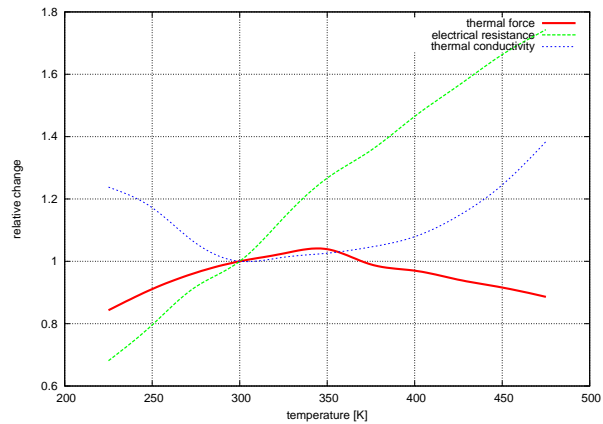
$$\alpha_{300K} \quad 0.0903 \quad \frac{V}{K}$$

resistance:

$$\rho_{300K} \quad 1.26 \quad \Omega$$

thermal conductivity:

$$\gamma_{300K} \quad 2.54 \quad \frac{W}{K}$$



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

## mechanical data:

size of cold side:

$$L \times B \times H \quad 62.0 \times 62.0 \times 3.80 \text{ mm}$$

size of hot side:

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

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:

$$m \quad 68 \text{ g}$$

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:	$Q_{max}$	338.9 W	292.0 W
	at $\Delta T = 0$ and $I_{Q_{max}}$	23.2 A	21.6 A
maximum temperature difference:	$\Delta T_{max}$	77.2 K	68.4 K
	at $Q = 0$ and $I_{\Delta T_{max}}$	17.7 A	16.6 A
	$U_{max}$	29.2 V	27.1 V

## order information:

TEC2H-62-62-339/77-CS: sealed, max. 125°C

TEC2H-62-62-339/77-DS: sealed, max. 150°C

TEC2H-62-62-339/77-HS: sealed, max. 200°C