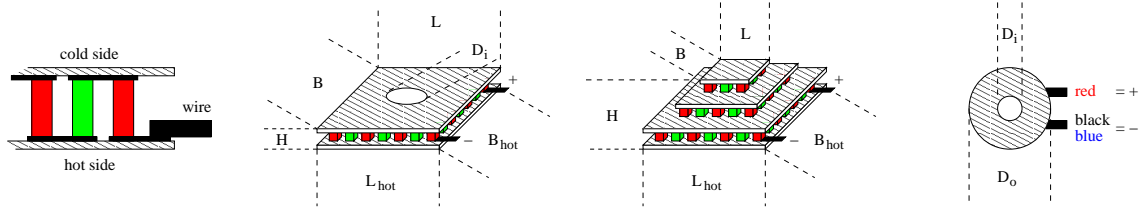


TEC2L-30-30-58/73

professional low cost peltier element



thermal and electrical data:

thermal force:

α_{300K}

0.0512 $\frac{V}{K}$

resistance:

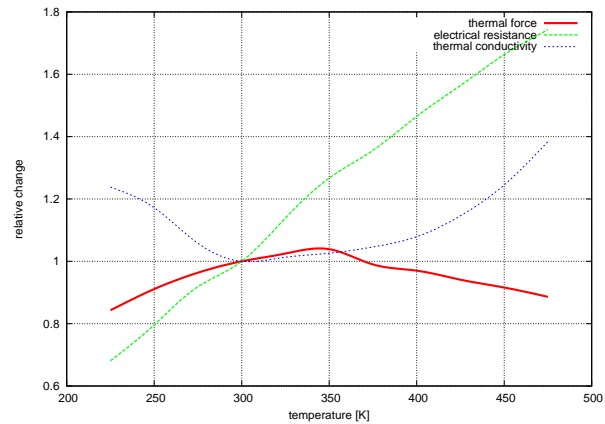
ρ_{300K}

2.37 Ω

thermal conductivity:

γ_{300K}

0.469 $\frac{W}{K}$



available maximum operating temperatures: T_{max}

125, 150, 200 °C

tolerances:

±15%

mechanical data:

size of cold side:

$L \times B \times H$ 30.0 × 30.0 × 2.90 mm

size of hot side:

$L_{hot} \times B_{hot}$ 30.0 × 30.0 mm

height tolerance:

ΔH ±0.5 mm

length and width tolerances:

ΔL and ΔB ±1.0 mm

weight:

m 13 g

ceramic plates:

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

location of production:

China

experimental data:

typical values at:

maximum cooling power:

$T_h = 50^\circ C:$ $T_h = 300 K:$

at $\Delta T = 0$ and

Q_{max} 57.6 W 49.7 W

$I_{Q_{max}}$ 7.0 A 6.5 A

maximum temperature difference:

ΔT_{max} 73.4 K 65.0 K

at $Q = 0$ and

$I_{\Delta T_{max}}$ 5.4 A 5.1 A

U_{max} 16.5 V 15.4 V

order information:

TEC2L-30-30-58/73-CS: sealed, max. 125°C

TEC2L-30-30-58/73-DS: sealed, max. 150°C

TEC2L-30-30-58/73-HS: sealed, max. 200°C