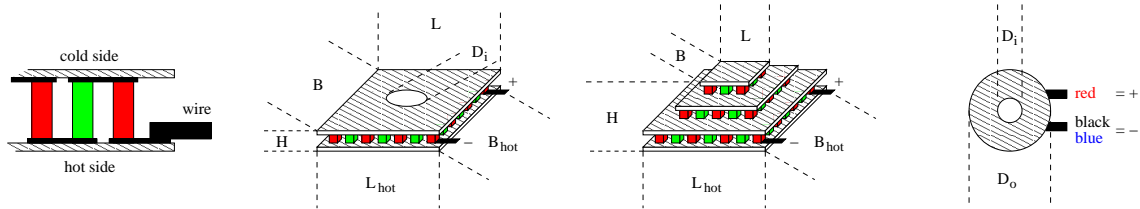


professional high power peltier element



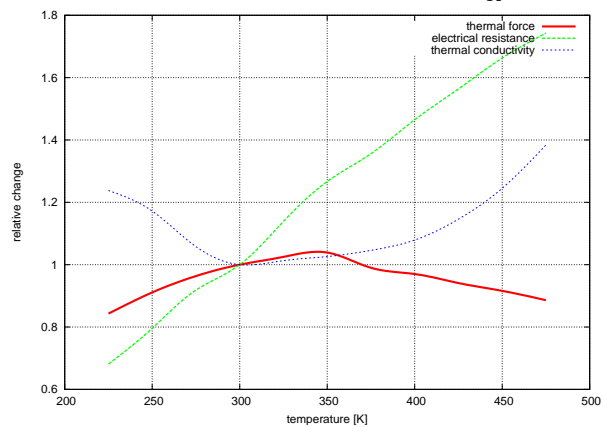
thermal and electrical data:

thermal force:

resistance:

thermal conductivity:

α_{300K}	0.0516	$\frac{V}{K}$
ρ_{300K}	0.673	Ω
γ_{300K}	1.90	$\frac{W}{K}$



available maximum operating temperatures: T_{max}

125, 150, 200, 250 °C

tolerances:

±15%

mechanical data:

size of cold side:

$L \times B \times H$ 50.0 × 50.0 × 3.30 mm

size of hot side:

$L_{hot} \times B_{hot}$ 50.0 × 50.0 mm

height tolerance:

ΔH ±0.5 mm

length and width tolerances:

ΔL and ΔB ±1.0 mm

weight:

m 38 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}	206.6 W	178.0 W
$I_{Q_{max}}$	24.8 A	23.0 A

maximum temperature difference:

ΔT_{max} 67.9 K 60.0 K

at $Q = 0$ and

$I_{\Delta T_{max}}$ 19.6 A 18.4 A

U_{max} 16.7 V 15.5 V

order information:

TEC2H-50-50-207/68-CS: sealed, max. 125°C
 TEC2H-50-50-207/68-DS: sealed, max. 150°C
 TEC2H-50-50-207/68-FS: sealed, max. 200°C
 TEC2H-50-50-207/68-HS: sealed, max. 250°C