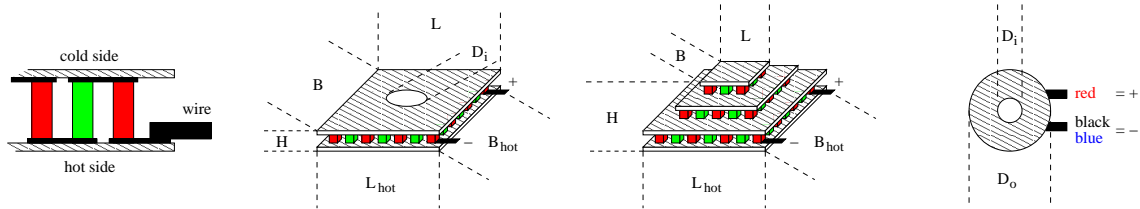


professional standard peltier element



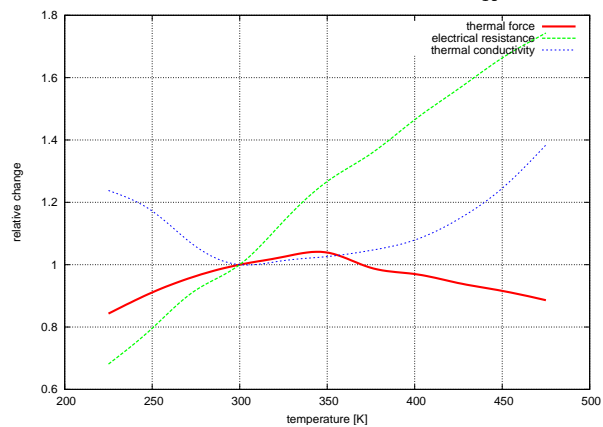
thermal and electrical data:

thermal force:

resistance:

thermal conductivity:

α_{300K}	0.0301	$\frac{V}{K}$
ρ_{300K}	0.935	Ω
γ_{300K}	0.409	$\frac{W}{K}$



available maximum operating temperatures: T_{max}

125, 150, 200, 250 °C

tolerances:

±15 %

mechanical data:

size of cold side:

$L \times B \times H$ 30.0 × 30.0 × 3.60 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 15 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}	50.6 W	43.6 W
$I_{Q_{max}}$	10.4 A	9.7 A

maximum temperature difference:

ΔT_{max} 73.7 K 65.2 K

at $Q = 0$ and

$I_{\Delta T_{max}}$ 8.0 A 7.6 A

U_{max} 9.7 V 9.0 V

order information:

TEC2S-30-30-51/74-CS: sealed, max. 125°C

TEC2S-30-30-51/74-DS: sealed, max. 150°C

TEC2S-30-30-51/74-FS: sealed, max. 200°C

TEC2S-30-30-51/74-HS: sealed, max. 250°C