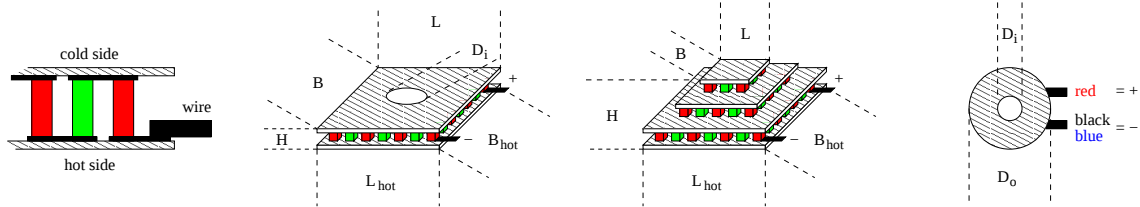


TEC2S-40-40-100/74

professional standard peltier element



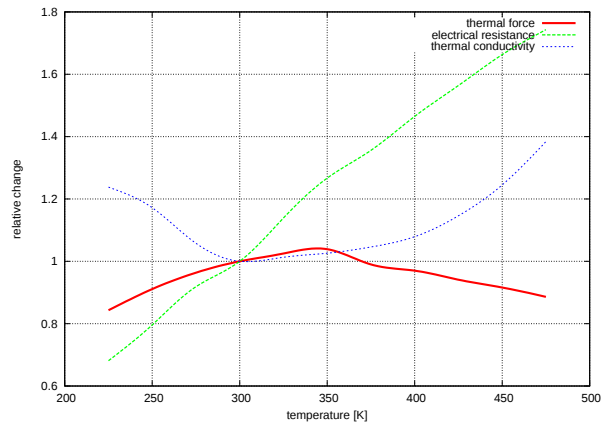
thermal and electrical data:

thermal force:

resistance:

thermal conductivity:

α_{300K}	0.0530	$\frac{V}{K}$
ρ_{300K}	1.47	Ω
γ_{300K}	0.811	$\frac{W}{K}$



available maximum operating temperatures: T_{max}

125, 150, 200 °C

tolerances:

±15 %

mechanical data:

size of cold side:

$L \times B \times H$ 40.0 × 40.0 × 3.50 mm

size of hot side:

$L_{hot} \times B_{hot}$ 40.0 × 40.0 mm

height tolerance:

ΔH ±0.5 mm

length and width tolerances:

ΔL and ΔB ±1.0 mm

weight:

m 26 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} 100.0 W	86.2 W
	at $\Delta T = 0$ and	$I_{Q_{max}}$ 11.7 A	10.8 A
maximum temperature difference:		ΔT_{max} 73.6 K	65.1 K
	at $Q = 0$ and	$I_{\Delta T_{max}}$ 9.0 A	8.5 A
		U_{max} 17.1 V	15.9 V

order information:

TEC2S-40-40-100/74-CS: sealed, max. 125°C

TEC2S-40-40-100/74-DS: sealed, max. 150°C

TEC2S-40-40-100/74-HS: sealed, max. 200°C