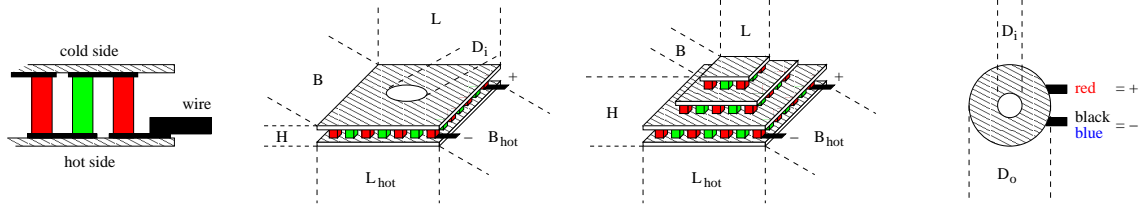


TEC2S-40-40-91/74

professional standard peltier element



thermal and electrical data:

thermal force:

α_{300K}

0.0539 $\frac{V}{K}$

resistance:

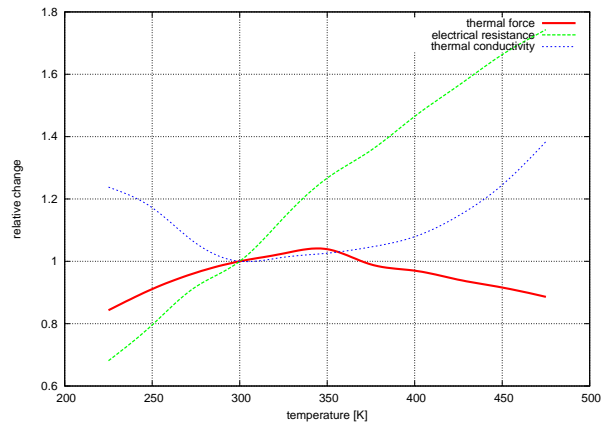
ρ_{300K}

1.67 Ω

thermal conductivity:

γ_{300K}

0.734 $\frac{W}{K}$



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 × 3.60 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 27 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}	90.7 W	78.2 W
	at $\Delta T = 0$ and $I_{Q_{max}}$	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}	17.4 V	16.2 V

order information:

TEC2S-40-40-91/74-CS: sealed, max. 125°C

TEC2S-40-40-91/74-DS: sealed, max. 150°C

TEC2S-40-40-91/74-HS: sealed, max. 200°C