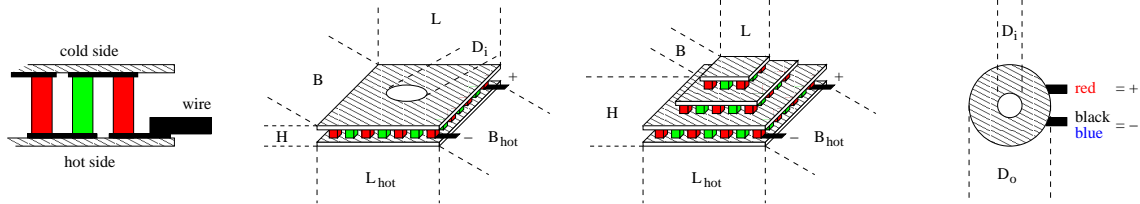


# TEC2S-40-40-134/71

professional standard peltier element



## thermal and electrical data:

thermal force:

$\alpha_{300K}$

0.0549  $\frac{V}{K}$

resistance:

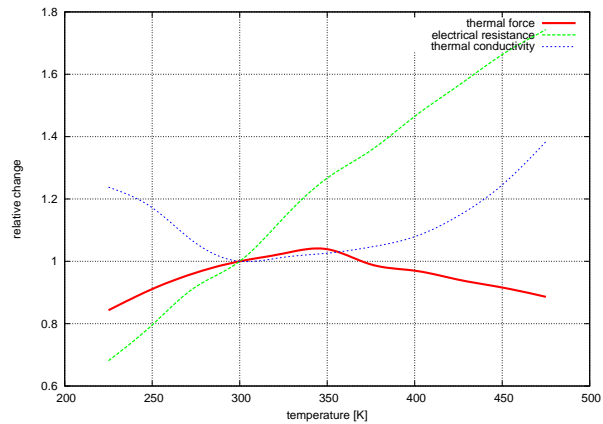
$\rho_{300K}$

1.18  $\Omega$

thermal conductivity:

$\gamma_{300K}$

1.16  $\frac{W}{K}$



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 × 3.20 mm

size of hot side:

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

height tolerance:

$\Delta H$  ±0.5 mm

length and width tolerances:

$\Delta L$  and  $\Delta B$  ±1.0 mm

weight:

$m$  24 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:

$Q_{max}$  133.6 W    115.1 W

at  $\Delta T = 0$  and

$I_{Q_{max}}$  15.1 A    14.0 A

maximum temperature difference:

$\Delta T_{max}$  70.5 K    62.4 K

at  $Q = 0$  and

$I_{\Delta T_{max}}$  11.8 A    11.1 A

$U_{max}$  17.8 V    16.5 V

## order information:

TEC2S-40-40-134/71-CS: sealed, max. 125°C

TEC2S-40-40-134/71-DS: sealed, max. 150°C

TEC2S-40-40-134/71-HS: sealed, max. 200°C