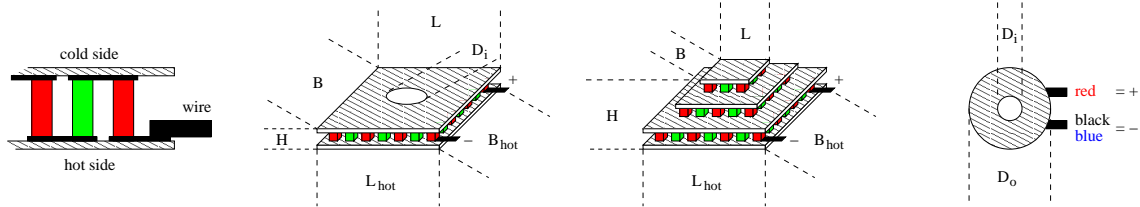


TEC2S-15-20-18/74

professional standard peltier element



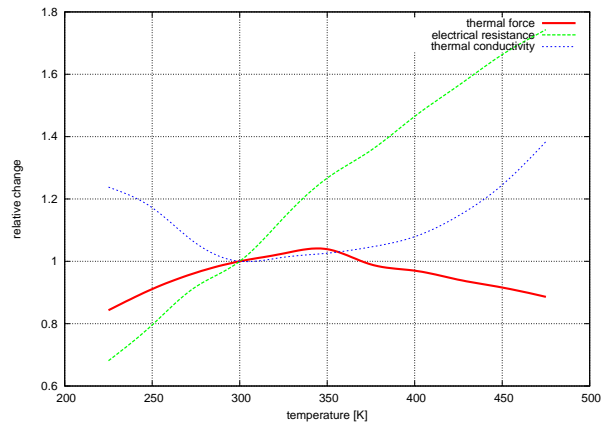
thermal and electrical data:

thermal force:

resistance:

thermal conductivity:

α_{300K}	0.00966	$\frac{V}{K}$
ρ_{300K}	0.271	Ω
γ_{300K}	0.146	$\frac{W}{K}$



available maximum operating temperatures: T_{max} 125, 150, 200 °C
 tolerances: ±15 %

mechanical data:

size of cold side:

$L \times B \times H$ 15.0 × 20.0 × 3.50 mm

size of hot side:

$L_{hot} \times B_{hot}$ 15.0 × 20.0 mm

height tolerance:

ΔH ±0.5 mm

length and width tolerances:

ΔL and ΔB ±1.0 mm

weight:

m 5 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}	18.0 W	15.5 W
	at $\Delta T = 0$ and $I_{Q_{max}}$	11.5 A	10.7 A
maximum temperature difference:	ΔT_{max}	73.5 K	65.1 K
	at $Q = 0$ and $I_{\Delta T_{max}}$	8.9 A	8.4 A
	U_{max}	3.1 V	2.9 V

order information:

TEC2S-15-20-18/74-CS: sealed, max. 125°C

TEC2S-15-20-18/74-DS: sealed, max. 150°C

TEC2S-15-20-18/74-HS: sealed, max. 200°C