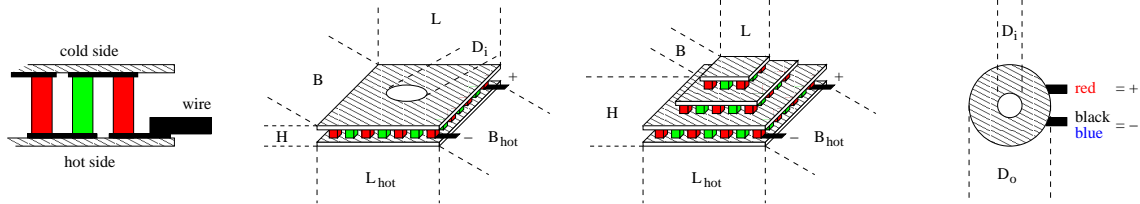


TEC2S-15-20-14/76

professional standard peltier element



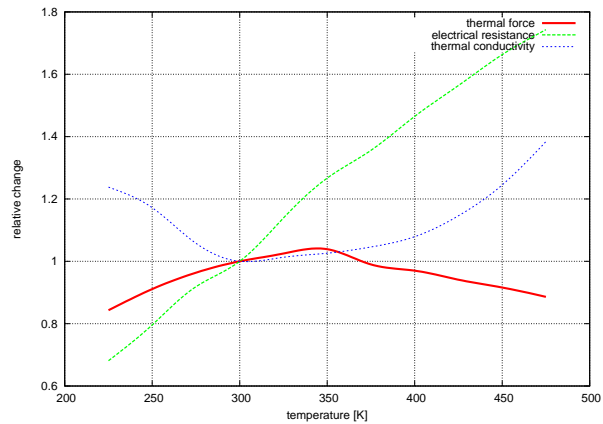
thermal and electrical data:

thermal force:

resistance:

thermal conductivity:

α_{300K}	0.00970	$\frac{V}{K}$
ρ_{300K}	0.358	Ω
γ_{300K}	0.106	$\frac{W}{K}$



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

mechanical data:

size of cold side:

$$L \times B \times H \quad 15.0 \times 20.0 \times 3.90 \text{ mm}$$

size of hot side:

$$L_{hot} \times B_{hot} \quad 15.0 \times 20.0 \text{ mm}$$

height tolerance:

$$\Delta H \quad \pm 0.5 \text{ mm}$$

length and width tolerances:

$$\Delta L \text{ and } \Delta B \quad \pm 1.0 \text{ mm}$$

weight:

$$m \quad 6 \text{ g}$$

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}	13.7 W	11.8 W
	at $\Delta T = 0$ and $I_{Q_{max}}$	8.7 A	8.1 A
maximum temperature difference:	ΔT_{max}	75.7 K	67.1 K
	at $Q = 0$ and $I_{\Delta T_{max}}$	6.7 A	6.3 A
	U_{max}	3.1 V	2.9 V

order information:

TEC2S-15-20-14/76-CS: sealed, max. 125°C

TEC2S-15-20-14/76-DS: sealed, max. 150°C

TEC2S-15-20-14/76-HS: sealed, max. 200°C