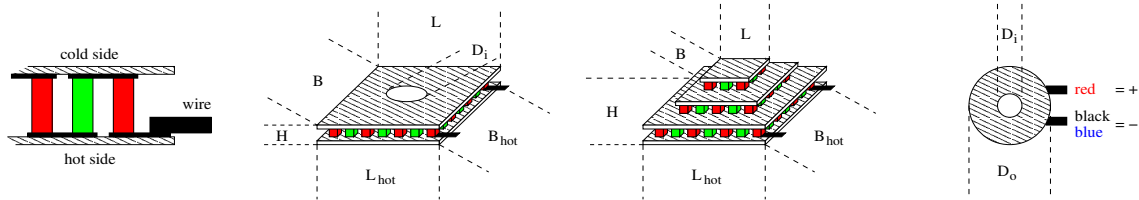


consume high power peltier element



thermal and electrical data:

thermal force:	α	0.0826	$\frac{V}{K}$
resistance:	ρ	0.815	Ω
thermal conductivity:	γ	3.47	$\frac{W}{K}$
available maximum operating temperatures:	T_{max}		$^{\circ}C$
tolerances:			$\pm 10 \%$

mechanical data:

size of cold side:	$L \times B \times H$	$62.0 \times 62.0 \times 3.55 \text{ mm}$
size of hot side:	$L_{hot} \times B_{hot}$	$62.0 \times 62.0 \text{ mm}$
height tolerance:	ΔH	$\pm 0.5 \text{ mm}$
length and width tolerances:	ΔL and ΔB	$\pm 1.0 \text{ mm}$
weight:	m	63 g
ceramic plates:		BK-100 (grey) or BK-96 (white)

location of production: china

experimental data:

typical values at:		$T_h = 50^{\circ}C$:	$T_h = 300 \text{ K}$:
maximum cooling power:	Q_{max}	437.3 W	376.8 W
at $\Delta T = 0$ and	$I_{Q_{max}}$	32.8 A	30.4 A
maximum temperature difference:	ΔT_{max}	74.5 K	66.0 K
at $Q = 0$ and	$I_{\Delta T_{max}}$	25.2 A	23.7 A
	U_{max}	26.7 V	24.8 V

order information:

part number	maximum operating temperature	modification	internal code
TEC2H-62-62-437/75-CS	125 $^{\circ}C$	sealed	03.02.0261
TEC2H-62-62-437/75-DS	150 $^{\circ}C$	sealed	03.02.0262
TEC2H-62-62-437/75-FS	200 $^{\circ}C$	sealed	03.02.0263

Internal code is for reference only. Do not use this code for orders!

Note: Some or all of the above parts may only be available in OEM quantities.

Consult the factory for information about minimum order quantities: info@eureca.de