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SPECIFICATION OF THERMOELECTRIC MODULE TB-63-1.0-1.3

Assembly

parameters

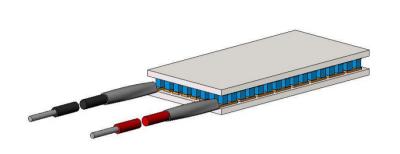
Wires

Cross section Metallization

Sealing

Internal solder

Brazing solder



Thermoelectrical parameters	Unit	Value	
Imax	Amps	3.6	
Umax	Volts	7.8	
ΔTmax	K	69	
Qmax	Watts	17.1	
\mathbf{R}_{ac} (at 295 K)	Ohm	1.65	
Tolerance	%	±10	
All parameters except R_{ac} are given at Th=300 K			

Unit

mm²

°C

°C

Value

0.35

139

not

- 25% dTmax

• 50% dTmax

HB-0.35 4 600

Not

Not

18		Standard	Performance Gra	ph N≘1:Qc = f (d	T)	
16						
14						
12						
10 O.c., Wartt						
g 8						
6						
4						
2						
0	0 10	20	30	40	50	60 70
→ 25	% Imax	◆ 50% Imax	dT, K +75% I	max	+100% Imax	

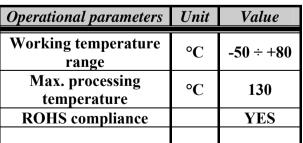
Standard Performance Graph N≥4: U = f (1)

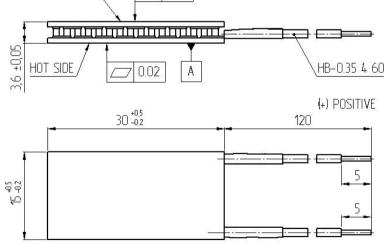
+75% dTmax

+100% dTmax

COLD SIDE // 0.03 A // 0.02	
HOT SIDE / O.02 A	HB-0.35 4 600
30 ^{+0.5}	(+) POSITIVE 120

Operational parameters	Unit	Value
Working temperature range	°C	-50 ÷ +80
Max. processing temperature	°C	130
ROHS compliance		YES
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(-) NEGATIVE