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SPECIFICATION OF THERMOELECTRIC MODULE TB-63-1.0-1.5

Assembly

parameters

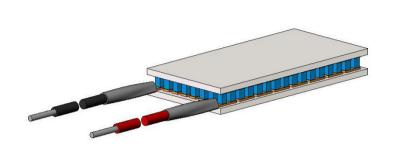
Wires

Cross section Metallization

Sealing

Internal solder

Brazing solder



Thermoelectrical parameters	Unit	Value	
Imax	Amps	3.1	
Umax	Volts	7.8	
ΔTmax	K	69	
Qmax	Watts	14.8	
\mathbf{R}_{ac} (at 295 K)	Ohm	1.8	
Tolerance	%	±10	
All parameters except R_{ac} are given at $Th=300 K$			

Unit

mm²

°C

°C

Value

0.35

139

not

HB-0.35 4 600

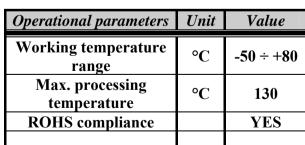
Not

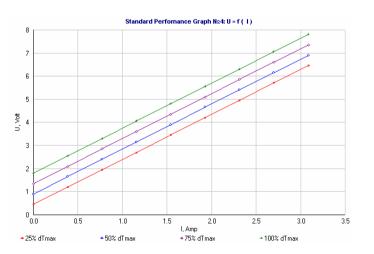
Not

16		Standar	d Perfomance Grap	nh N≘1: Qc = f (c	π)		
14							
12							
10							
Oc, Watt							
6							
4							
2			•				
0	0 10	20	30 dT, K	40	50	60	70
- 25	5% Imax	◆50% Imax	+ 75% In	nax	+100% Imax		

<u>COLD SIDE</u>	// 0.03 A 0.02	
HOT SIDE	0.02 A	HB-0.35 4 600
K 528 I	30 ^{+0.5}	(+) POSITIVE 120

Unit	Value
°C	-50 ÷ +80
°C	130
	YES
	°C





(-) NEGATIVE