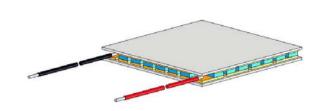
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(-) NEGATIVE

SPECIFICATION OF THERMOELECTRIC MODULE TB-31-5.0-1.5



Thermoelectrical parameters	Unit	Value	
Imax	Amps	77.0	
Umax	Volts	3.8	
Δ Tmax	K	68	
Qmax	Watts	178.0	
\mathbf{R}_{ac} (at 295 K)	Ohm	0.039	
Tolerance	%	±10	
All parameters except R_{ac} are given at Th=300 K			

160 140 120 80 60 40 20 0 10 20 30 40 50 60	180	Standar	d Performance Gr	aph N≘1: Qc = f (dT)		
140 120 120 3 80 60 40 20 0 10 20 30 40 50 60							
120 120 100 60 40 20 0 100 20 30 40 50 60	160						
100 80 60 40 20 0 10 20 30 40 50 60	140						-
100 80 60 40 20 0 10 20 30 40 50 60	120						
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U 10 20 30 40 50 60	۔ ا	10 20	20	40			_
• 25% Imax		10 20	dT, K		50	ьи	70

50,	O SIDE	0.03		HB-0.35 4	⇒ -
1		55 +0.5 -0.2	-	120 (+) POSITIVE 5	=
55 -0.2				5	-

Assembly parameters	Unit	Value	
Wires	HB-0.35 4 600		
Cross section	mm^2 0.35		
Metallization	Not		
Sealing	Not		
Internal solder	°C	139	
Brazing solder	°C	not	

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