

SPECIFICATION

Product : Thermoelectric module

Part Number : PE1-3108NC

1 . Scope

- 1—1 This specification is applied to Multicomp thermoelectric modules
- 1—2 Revision of these specifications is carried out after consent.

2 . Specification

2 - 1 Parameters

Parameters		Remarks	
Internal resistance	0.35 Ω \pm 10%	Note-1	
I _{max.}	8.5 A	Note-2	
V _{max.}	3.8 V	Note-3	
	Th=27°C	Th=50°C	
Q _{max.}	18.8 W	20.8 W	Note-4
$\Delta T_{max.}$	70 °C	77 °C	Note-5
solder melting point	235 °C		Note-6
Maximum. compress.	1MPa		Note-7

Note-1 Measured by AC 4-terminal method at 25°C.

Note-2 Maximum current at $\Delta T_{max.}$

Note-3 Maximum voltage at $\Delta T_{max.}$

Note-4 Maximum cooling capacity at I_{max.}, V_{max.} and $\Delta T = 0^{\circ}\text{C}$.

Note-5 Maximum temperature difference at I_{max.}, V_{max.} and Q = 0W.

(Maximum parameters are measured in a vacuum 1.3P)

Note-6 The solder melting point of thermoelectric module

Note-7 Recommended maximum compression (not destruction limit)

2 - 2 Outline Drawing