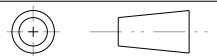


- Notes:
1. Printing always on cold side.
 2. Torlerance of thermo and electric parameters ±10%.
 3. Please mount heat sink before you use it. also, please do not exceed the extra voltage at any time.
 4. Please contact with us if you need Melting Point 183°C (Operation Temperature 150°C Max.) and 235°C (Operation Temperature 200°C Max.) type.

*DO NOT SCALE DRAWING

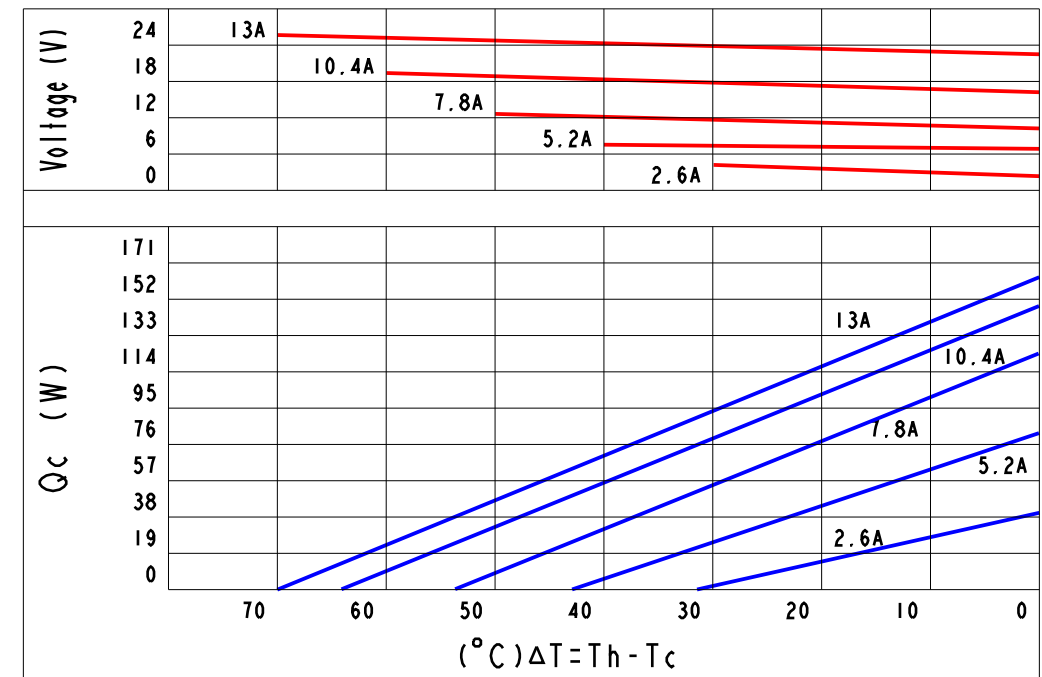
THIRD ANGLE PROJECTION



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CO., LTD.

REVISIONS					
REV.	POS.	DESCRIPTION	DATE	DRW	APP
A		INITIAL CREATION	2013/09/09	Gory	Mason

Curve Chart(Be Confined To TECI-199135050):



Part Number And Feature:

T	E	C	I	-	I	9	9	x	x	5	0	5	0	Sealing	YES
↓	↓				↓			↓		↓		↓		Operation Temperature	125°C(Max.)
Thermo	Electric	Chip	Stage	Stack	N & P	Stack	Quantity	Current	A(Max.)	Dimension	(A)	Dimension	(B)	Melting Point	138°C
														Storage Temperature	-60°C~100°C
														RoHS	YES

Technical Data:

ITEM	Part NO.	Stack(P&N)	A(Max.)	V(Max.)	Qc(W) /Th=27°C/ ΔT(°C)	DIM(A)	DIM(B)	DIM(H)
1	TECI-199035050	199	3 A	23.5 V	51W	70°C	50	50 RF4.5
2	TECI-199065050	199	6 A	23.5 V	88W	70°C	50	50 RF4.1
3	TECI-199085050	199	8 A	23.5 V	113W	70°C	50	50 RF4.0
4	TECI-199115050	199	11 A	23.5 V	158W	70°C	50	50 RF3.9
5	TECI-199135050	199	13 A	23.5 V	171W	70°C	50	50 RF3.5

<p>1. UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE MM 2 TOLERANCE ARE AS FOLLOWS: 0 < X < 2 ± 0.06 2 < X < 10 ± 0.08 10 < X < 50 ± 0.12 50 < X < 100 ± 0.16 100 < X < 200 ± 0.20 200 < X < 300 ± 0.30 ANGLES ± 0.5°</p>	PART No.	TECI-199xx5050	DESCRIPTION	DC 23.5V(Max.), 3~13A(Max.), 199 P&N, 50*50mm			
	SIGNATURE		DATE	<p>昆晶冷片(深圳)电子有限公司 KJLP(SHENZHEN)ELECTRONICS CO., LTD email: kjlp@kjlp.net http://www.kjlp.net Tel: +86-755-82528352 Fax: +86-755-22639899</p>			
	DRAWN BY	Gory	2013/09/09				
	CHECKED BY	Justin	2013/09/09				
	ENGR	Vivi	2013/09/09				
APPROVED BY	Mason	2013/09/09					
MATERIAL:	ISSUED BY	Jack	2013/09/09	CAD MODLE:	TECI-199xx5050.prt	SCALE: 1:1	REV: A
				CAD DWG:	TECI-199xx5050.drw	SIZE: A3	SHEET: 1 OF 1