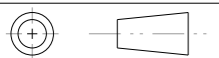


- Notes:
1. Printing always on cold side.
  2. Tolerance of thermo and electric parameters  $\pm 10\%$ .
  3. Please mount heat sink before you use it, also, please do not exceed the extra voltage at any time.
  4. Please contact with us if you need Melting Point  $183^{\circ}\text{C}$  (Operation Temperature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

\*DO NOT SCALE DRAWING

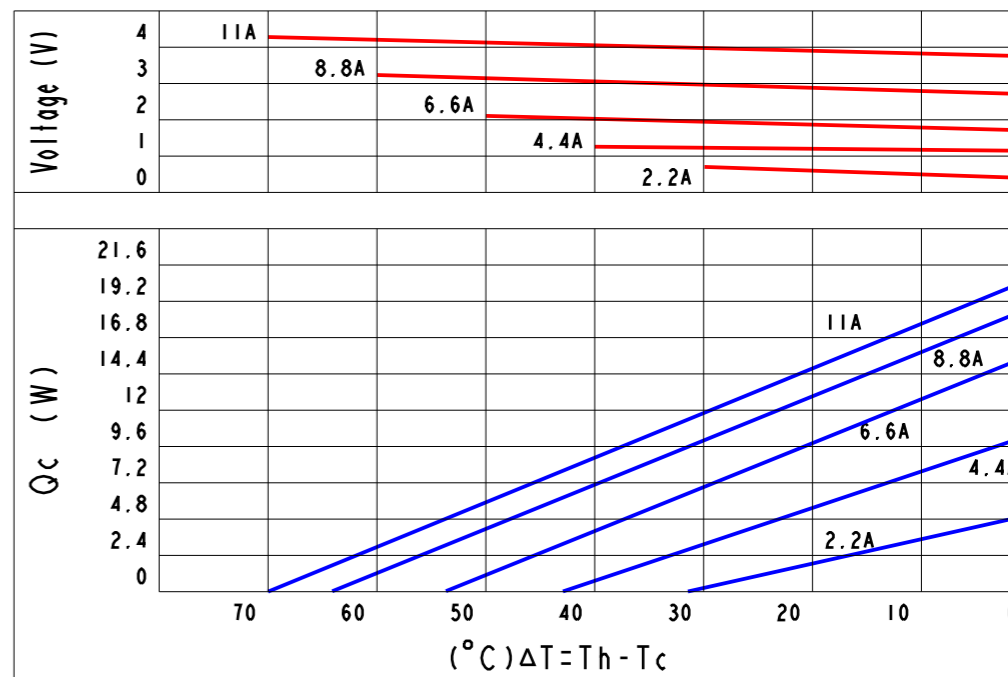
THIRD ANGLE PROJECTION



THIS DRAWING AND THE DATA DISCLOSED HEREIN OR HEREWITH IS NOT TO BE REPR ODUCE  
USED OR DISCLOSED OR IN PART TO ANYONE WITHOUT THE PERMISSION OF KJLP (SHENZHEN) ELECTRONICS  
CO., LTD.

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

Curve Chart(Be Confined To TECI-031112020):




Part Number And Feature:

T	E	C	I	-	0	3	1	x	x	2	0	2	0	Sealing	YES
↓	↓				↓	↓	↓	↓	↓	↓	↓	↓	↓	Operation Temperature	$125^{\circ}\text{C}$ (Max.)
Thermo	Electric	Chip	Stage	Stack	N & P	Stack	Quantity	Current	A(Max.)	Dimension	(A)	Dimension	(B)	Melting Point	$138^{\circ}\text{C}$
														Storage Temperature	$-60^{\circ}\text{C} \sim 100^{\circ}\text{C}$
														RoHS	YES

Technical Data:

ITEM	Part NO.	Stack(P&N)	A(Max.)	V(Max.)	Qc(W) /Th= $27^{\circ}\text{C}$ / $\Delta\text{T}(^{\circ}\text{C})$	DIM(A)	DIM(B)	DIM(H)
1	TECI-031012020	31	1 A	3.7 V	1.4W	$70^{\circ}\text{C}$	20	20
2	TECI-031022020	31	2 A	3.7 V	4.2W	$70^{\circ}\text{C}$	20	20
3	TECI-031032020	31	3 A	3.7 V	8W	$70^{\circ}\text{C}$	20	20
4	TECI-031042020	31	4 A	3.7 V	9W	$70^{\circ}\text{C}$	20	20
5	TECI-031052020	31	5 A	3.7 V	10W	$70^{\circ}\text{C}$	20	20
6	TECI-031062020	31	6 A	3.7 V	13W	$70^{\circ}\text{C}$	20	20
7	TECI-031072020	31	7 A	3.7 V	15W	$70^{\circ}\text{C}$	20	20
8	TECI-031082020	31	8 A	3.7 V	17W	$70^{\circ}\text{C}$	20	20
9	TECI-031112020	31	11 A	3.7 V	21W	$70^{\circ}\text{C}$	20	20

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°

PART No.	TECI-031xx2020	DESCRIPTION	DC 3.7V(Max.), 1~11A(Max.), 31 P&N, 20*20mm						
SIGNATURE		DATE	 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						
DRAWN BY	Gary	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 DWG:	TECI-031xx2020.drw	SCALE:	1:1	REV:	A
				CAD MODLE:	TECI-031xx2020.prt	SIZE:	A3	SHEET:	1 OF 1