

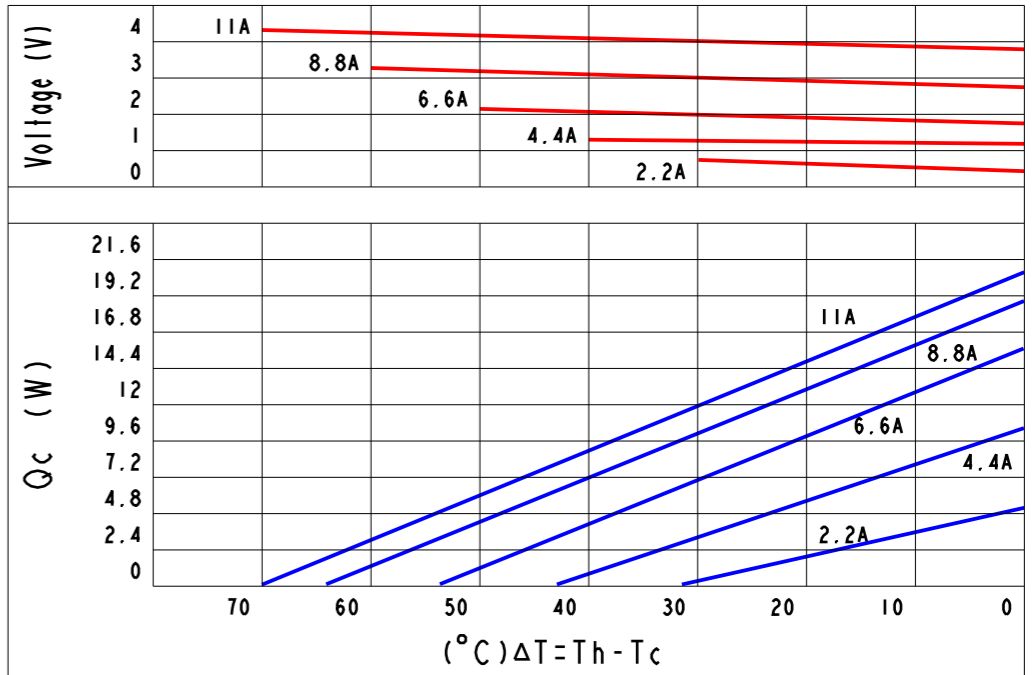
- Notes:
1. Printing always on cold side.
 2. Torlerance of thermo and electric parameters $\pm 10\%$.
 3. Please mount heat sink before you use it. also, please do not exceed the extra voltage at any time.
 4. Please contact with us if you need Melting Point 183°C (Operation Temperature 150°C Max.) and 235°C (Operation Temperature 200°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	2013/01/01	Gory	Mason

Curve Chart(Be Confined To TEC1-031112020):



Part Number And Feature:

T	E	C	I	-	0	3	1	x	x	2	0	2	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	$-60^{\circ}\text{C}\sim 100^{\circ}\text{C}$
														RoHS	YES

Technical Data:

ITEM	Part NO.	Stack(P&N)	A(Max.)	V(Max.)	Qc(W) /Th=27°C/ ΔT(°C)	DIM(A)	DIM(B)	DIM(H)
1	TECI-031012020	31	1 A	3.7 V	1.4W	70°C	20	20
2	TECI-031022020	31	2 A	3.7 V	4.2W	70°C	20	20
3	TECI-031032020	31	3 A	3.7 V	8W	70°C	20	20
4	TECI-031042020	31	4 A	3.7 V	9W	70°C	20	20
5	TECI-031052020	31	5 A	3.7 V	10W	70°C	20	20
6	TECI-031062020	31	6 A	3.7 V	13W	70°C	20	20
7	TECI-031072020	31	7 A	3.7 V	15W	70°C	20	20
8	TECI-031082020	31	8 A	3.7 V	17W	70°C	20	20
9	TECI-031112020	31	11 A	3.7 V	21W	70°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				
	DRAWN BY	Gory	2013/01/01	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			
	CHECKED BY	Justin	2013/01/01				
ENGR	Vivi	2013/01/01					
APPROVED BY	Mason	2013/01/01	CAD MODLE:	TECI-031xx2020.prt	SCALE: 1:1	REV: A	
MATERIAL:	ISSUED BY	Jack	2013/01/01	CAD DWG:	TECI-031xx2020.drw	SIZE: A3	SHEET: 1 OF 1