

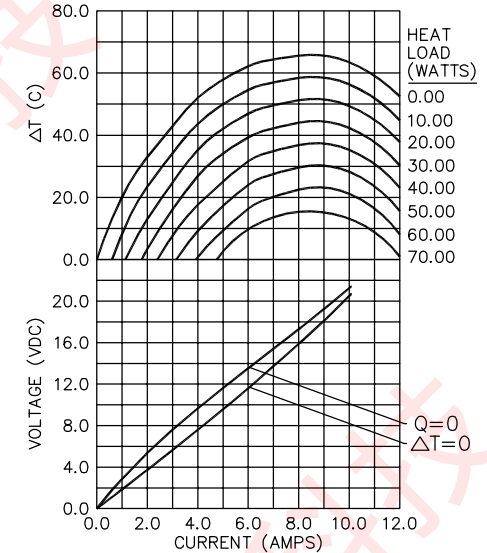
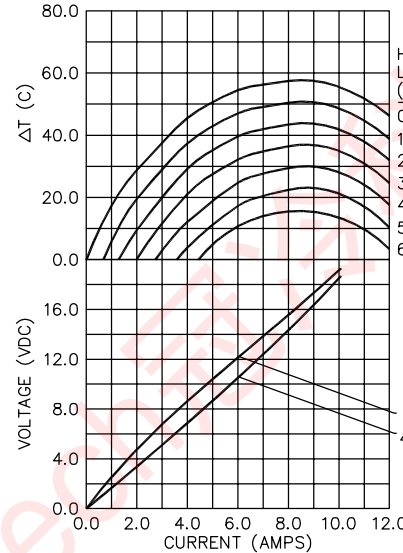
REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED
ALL	8	ADD -48AC (45092)	10/24/13	M. MOLINA
ALL	9	ADD -46AC (46094)	04/23/14	T. FLOY
ALL	A	RTP (47023)	09/23/14	T. FLOY
ALL	B	UPDATE DRAWING (49483)	11/20/15	J. BOTENS

TYPICAL PERFORMANCE CURVES

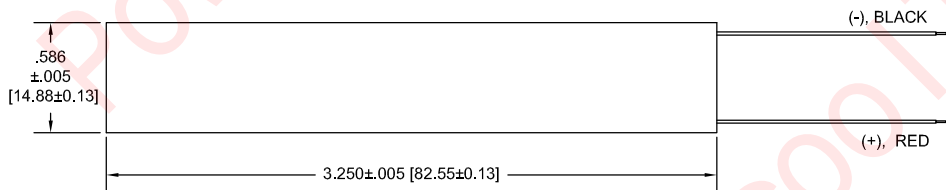
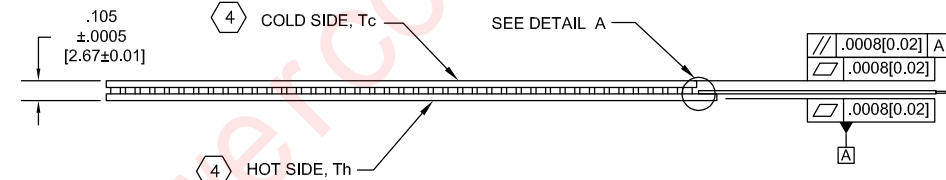
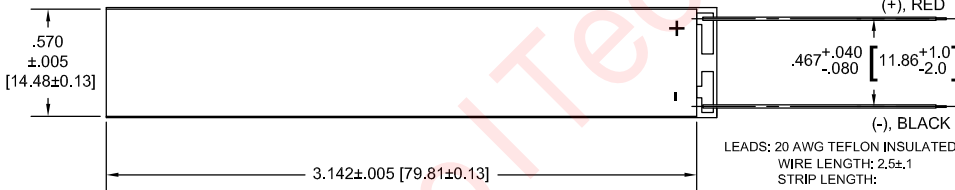
NITROGEN (1 ATM)

TA(C)= 27

TA(C)= 50



TYPICAL PERFORMANCE - NITROGEN (1 ATM)		
Th, °C	: 27	50
Vmax, VDC	: 15.7	17.46
ΔTmax, °C	: 58	66
Imax, AMPS	: 8.1	8.1
Qmax, WATTS	: 82.4	91.5
AC Res, OHMS	: 1.62	-



10. -48AC: SET OF 8, ACR MATCHED TO WITHIN .008 OHM. PERIMETER AND LEAD PADS ARE SEALED WITH RTV.
9. -46AC: SET OF 6, ACR MATCHED TO WITHIN .008 OHM. PERIMETER AND LEAD PADS ARE SEALED WITH RTV.
8. -38AC: SET OF 8, ACR MATCHED TO WITHIN .008 OHM.
7. TEMPERATURE UNIFORMITY TESTING WITH A THERMAL INFRARED CAMERA IS PERFORMED ON 100% OF COOLERS PRIOR TO SHIPMENT.
- ⑥ LEAD WIRE SOLDER JOINT HEIGHT MAY NOT EXCEED .082 INCHES [2.08 mm], AS SHOWN IN DETAIL A.

5. THE CERAMICS SHALL BE FREE FROM CRACKS AND ANY CHIPS GREATER THAN 0.12 INCHES IN LENGTH, WIDTH, OR DIAMETER.

④ DEVICE EXTERIOR SURFACE: CERAMIC MATERIAL: ALUMINUM OXIDE..

3. MAXIMUM PROCESS TEMPERATURE IS 130 °C.
2. MAXIMUM OPERATING TEMPERATURE IS 130 °C.
1. PRODUCT CONFORMS TO: EU RoHS, EU REACH

NOTES:

XLT2451-04AC	TEM ASSEMBLY, 140 CPLS, LEADWIRES, PARYLENE SEALED	--
XLT2451-05AC	TEM ASSEMBLY, 140 CPLS LEADWIRES, PARYLENE + RTV SEALED	--
XLT2451-38AC	TEM ASSEMBLY, 140 CPLS LEADWIRES SET OF 8	--
XLT2451-46AC	TEM ASSEMBLY, 140 CPLS LEADWIRES SET OF 6, SEALED	--
XLT2451-48AC	TEM ASSEMBLY, 140 CPLS LEADWIRES SET OF 8, SEALED	--
MODEL NO.	NOMENCLATURE OR DESCRIPTION	ITEM

LIST OF MATERIALS OR PARTS LIST

UNLESS OTHERWISE SPECIFIED		DRAWN BY	DATE
DIMENSIONS ARE IN INCHES, MILLIMETERS ARE IN [ ]		L. NEUBERT	09/12/11
GENERAL TOLERANCES ARE AS FOLLOWS		APPROV BY	DATE
DECIMALS .XX ±.01		A. CHAPA	09/12/11
.XXX ±.005		ENGR	DATE
ANGLES ±2', FINISH 125		T. FLOY	09/19/14
MATERIAL:		MFG.	DATE
DRAWING INTERPRETATION PER:		J. HAM	09/19/14
ASME Y14.5M		PROGRESS	DATE
		T. NGUYEN	09/17/14
		QUALITY	DATE
		A. NGUYEN	09/18/14
		USED ON	
		XLT2451	
		CAGE NO.	
		55686	

**MARLOW** Marlow Industries, Inc.  
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Dallas, Texas 75238  
www.marlow.com

**INTERFACE CONTROL DRAWING**  
XLT2451

DOCUMENT NO. 100-1725 REVISION B

SHEET SIZE C SCALE 2:1 SHEET 1 OF 1

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