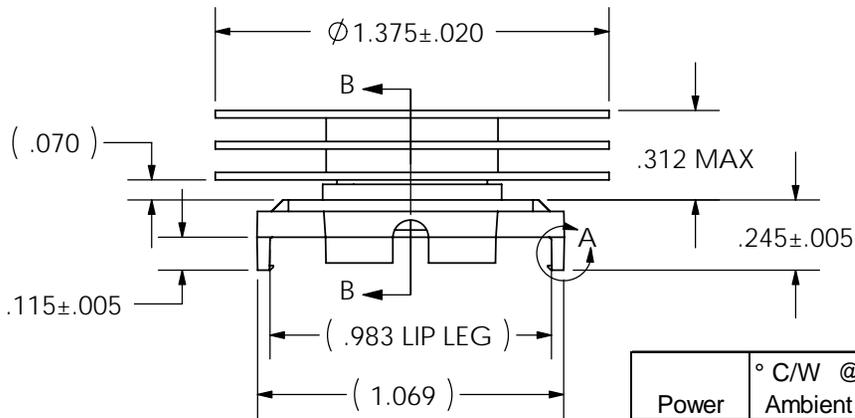|	REVISION(S)			
LTR	**DESCRIPTION**	**INIT**	**APP'D**	
A	ERN#: 112609 RELEASE	E.T 4/18/08	B.P 4/18/08	
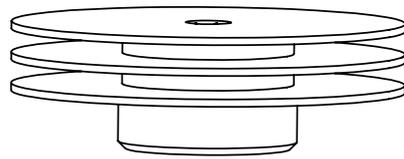
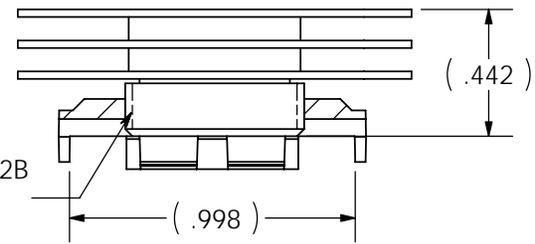3-FIN HS: 1.375 DIA.
0.442 HT.

④
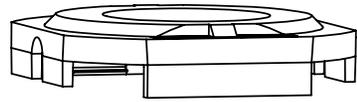
④ 4-LEG CLIP SIZE: 25mm

.016±.002
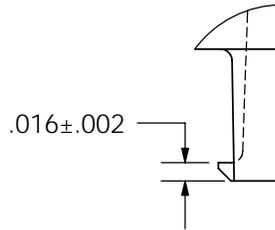
DETAIL A
SCALE = 6X

1. MATERIAL:

   HEAT SINK: ALUM. (BLACK ANODIZE)
   CLIP: BLACK PEI (UL94-VO)

2. BEFORE THE HEATSINK APPLICATION, THE USER
   SHOULD IDENTIFY THE SPECIFICATION OF MAXIMUM
   LOAD ON THE BGA PACKAGE.

   HEATSINK TORQUE SPECIFICATIONS CONVERTED TO FORCE.

   BARE DIE PACKAGE:
      1.5 POUND-FORCE INCH TORQUE = 8.5 POUND-FORCE
         (0.17 NEWTON METER TORQUE = 37.81 NEWTON)

      2.0 POUND-FORCE INCH TORQUE = 11.4 POUND-FORCE
         (0.23 NEWTON METER TORQUE = 50.71NEWTON)

   FULL SIZE LID PACKAGE:
      1.5 POUND-FORCE INCH TORQUE = 8.3 POUND-FORCE
         (0.17 NEWTON METER TORQUE = 36.92NEWTON)

      2.0 POUND-FORCE INCH TORQUE = 11.1 POUND-FORCE
         (0.23 NEWTON METER TORQUE = 49.38NEWTON)

3. REMOVE CLIP WITH REMOVAL TOOL P/N: 1542616-1.

4. RoHS COMPLIANT AND CERTIFIED.

5. CUSTOMER WILL NOT ACCEPT STANDARD CHIP COOLER PACKAGING.
   ANTISTATIC PACKAGING REQUIRED.

Ø 1.375±.020

(.070)

.312 MAX

.245±.005

.115±.005

(.983 LIP LEG)

(1.069)

B

A

B

(.442)

5/8 - 27 UNS-2B
THREAD

(.998)

SECTION B-B

Power	° C/W @ Ambient	° C/W @ 200 LFM	° C/W @ 400 LFM	° C/W @ 600 LFM
5 Watts	13.23	5.99	4.05	3.45
10 Watts	11.44	6.03	3.84	3.31
15 Watts	10.46	6.04	3.72	3.28

CUSTOMER DRAWING

SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE

ITEM	DESCRIPTION	QTY
1	MOUNTING CLIP	1
2	HEAT SINK	1
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DO NOT SCALE

Tyco Electronics Norwood, Massachussetts 02062

UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:
.XX ± .
.XXX ± .
.XXXX ± .
ANGLES ± °

DRAWN BY: E.TAO   DATE 4/18/08
ENGINEER: B.PETROCELLI   DATE 4/18/08
FILENAME   PROJECT   SYSTEM

MATERIAL: SEE NOTE
FINISH: SEE NOTE

TITLE:
25mm HEATSINK ASSEMBLY

DIMENSONS ARE IN: INCHES
SCALE: 1.5:1
PART NO: 1963835-1
SHEET: 1 OF 1

THIRD ANGLE PROJECTION
SIZE: A
DWG. NO. C-1963835
REV: A