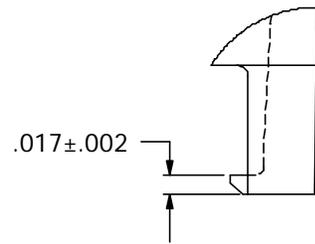
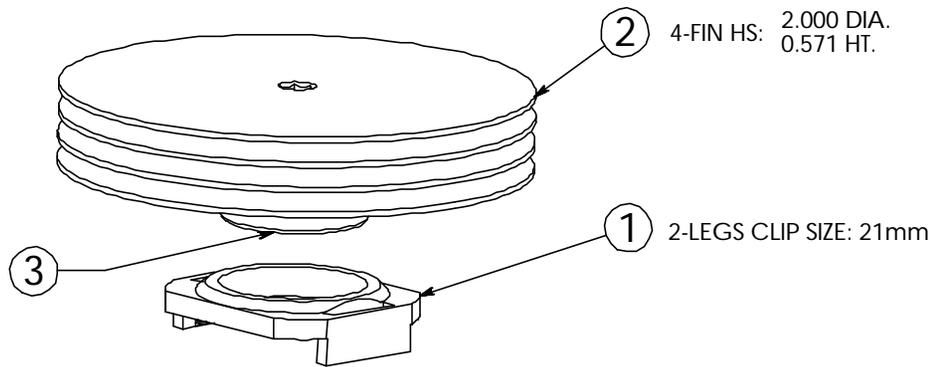


REVISION(S)			
LTR	DESCRIPTION	INIT	APP'D
A	ERN: 111318	E.T 3/16/06	C.W 3/16/06



DETAIL A  
SCALE= 6X

NOTE:

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:

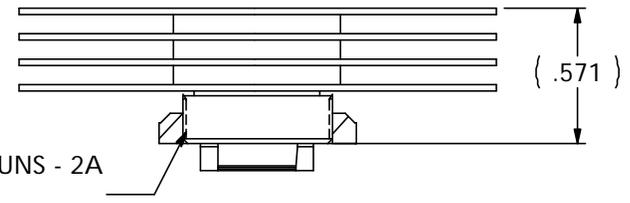
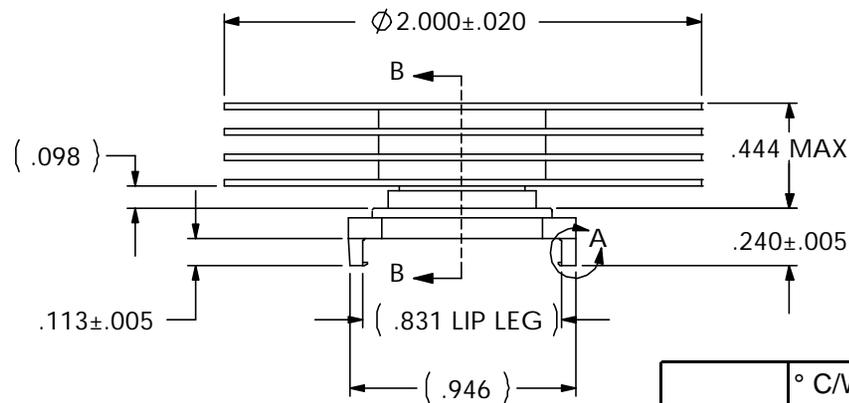
1.5 INCH - LB TORQUE = 8.5 LBS FORCE  
2.0 INCH - LB TORQUE = 11.4 LBS FORCE

FULL SIZE LID PACKAGE:

1.5 INCH - LB TORQUE = 8.3 LBS FORCE  
2.0 INCH - LB TORQUE = 11.1 LBS FORCE

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

4. RoHS COMPLIANCE AND CERTIFICATION REQUIRED.



SECTION B-B

Power	° C/W @ Ambient	° C/W @ 200 LFM	° C/W @ 400 LFM	° C/W @ 600 LFM
5 Watts	---	---	---	---
10 Watts	---	---	---	---
15 Watts	---	3.62	2.38	1.94

**CUSTOMER DRAWING**  
SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE

ITEM	DESCRIPTION	QTY
1	MOUNTING CLIP	1
2	HEAT SINK	1
3	INTERFACE	1

**tyco** / *Electronics*    Attleboro Falls Massachusetts 02763

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

DRAWN BY: E.TAO    DATE: 3/16/06  
ENGINEER: C. WANG    DATE: 3/16/06  
FILENAME:    PROJECT:    SYSTEM:

MATERIAL: SEE NOTE  
FINISH: SEE NOTE

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TITLE: **21mm HEATSINK ASSEMBLY**

DIMENSIONS ARE IN: INCHES    SCALE: 1.25:1    PART NO: **1-1542012-7**    SHEET: 1 OF 1  
SIZE: **A**    DWG. NO. **C-1-1542012-7**    REV: **A**

THIRD ANGLE PROJECTION