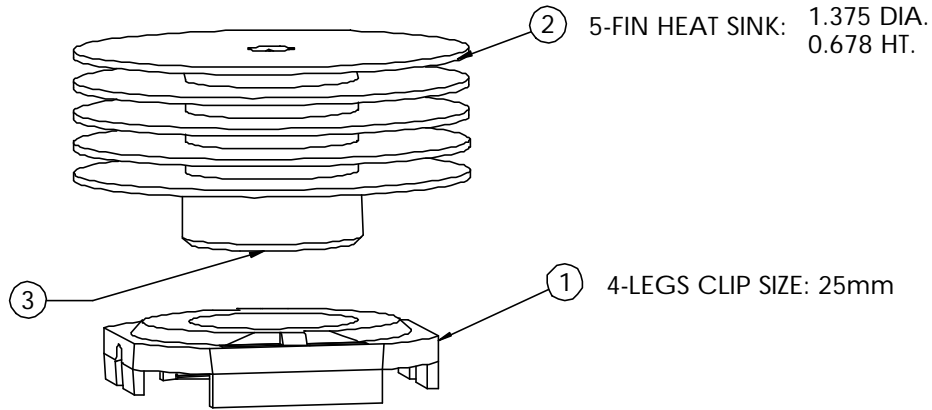


REVISION(S)

LTR	DESCRIPTION	INIT	APP'D
A	ECR-06-001164	E.T 1/17/06	C.W 1/20/06



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:

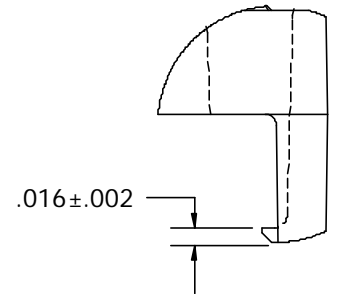
1.5 INCH - LB TORQUE = 8.5 LBS FORCE
2.0 INCH - LB TORQUE = 11.4 LBS FORCE

FULL SIZE LID PACKAGE:

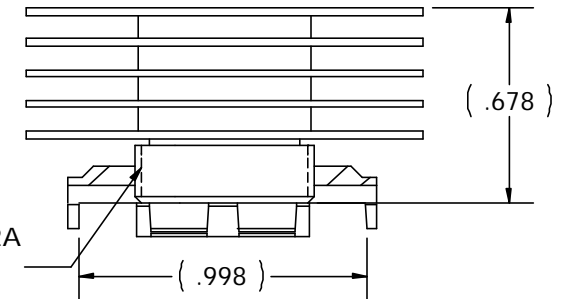
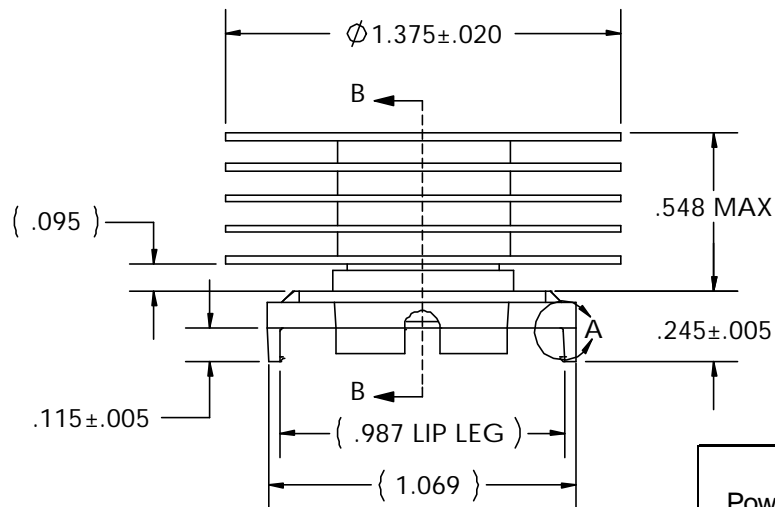
1.5 INCH - LB TORQUE = 8.3 LBS FORCE
2.0 INCH - LB TORQUE = 11.1 LBS FORCE

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

4. RoHS COMPLIANT AND CERTIFIED.



DETAIL A
SCALE= 6X



SECTION B-B

Power	° C/W @ Ambient	° C/W @ 200 LFM	° C/W @ 400 LFM	° C/W @ 600 LFM
5 Watts	11.90	4.75	3.50	2.50
10 Watts	10.61	4.64	3.26	2.42
15 Watts	9.74	4.46	3.22	2.41

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 ±	DRAWN BY:	E.TAO	DATE:	1/17/06
.XXX ±	ENGINEER:	CS. WANG	DATE:	1/20/06
.XXXX ±	FILENAME:	PROJECT:	SYSTEM:	
ANGLES ± °				

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TITLE: **25mm HEATSINK ASSEMBLY (HTS663-U)**

PART NO: **3-1542005-9**

DWG. NO: **C-3-1542005-9**

SHEET: 1 OF 1

REV: **A**

DIMENSIONS ARE IN: INCHES SCALE: 1.5:1

THIRD ANGLE PROJECTION