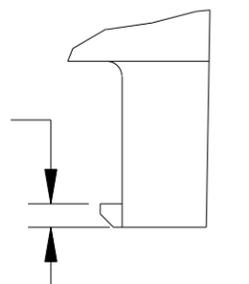
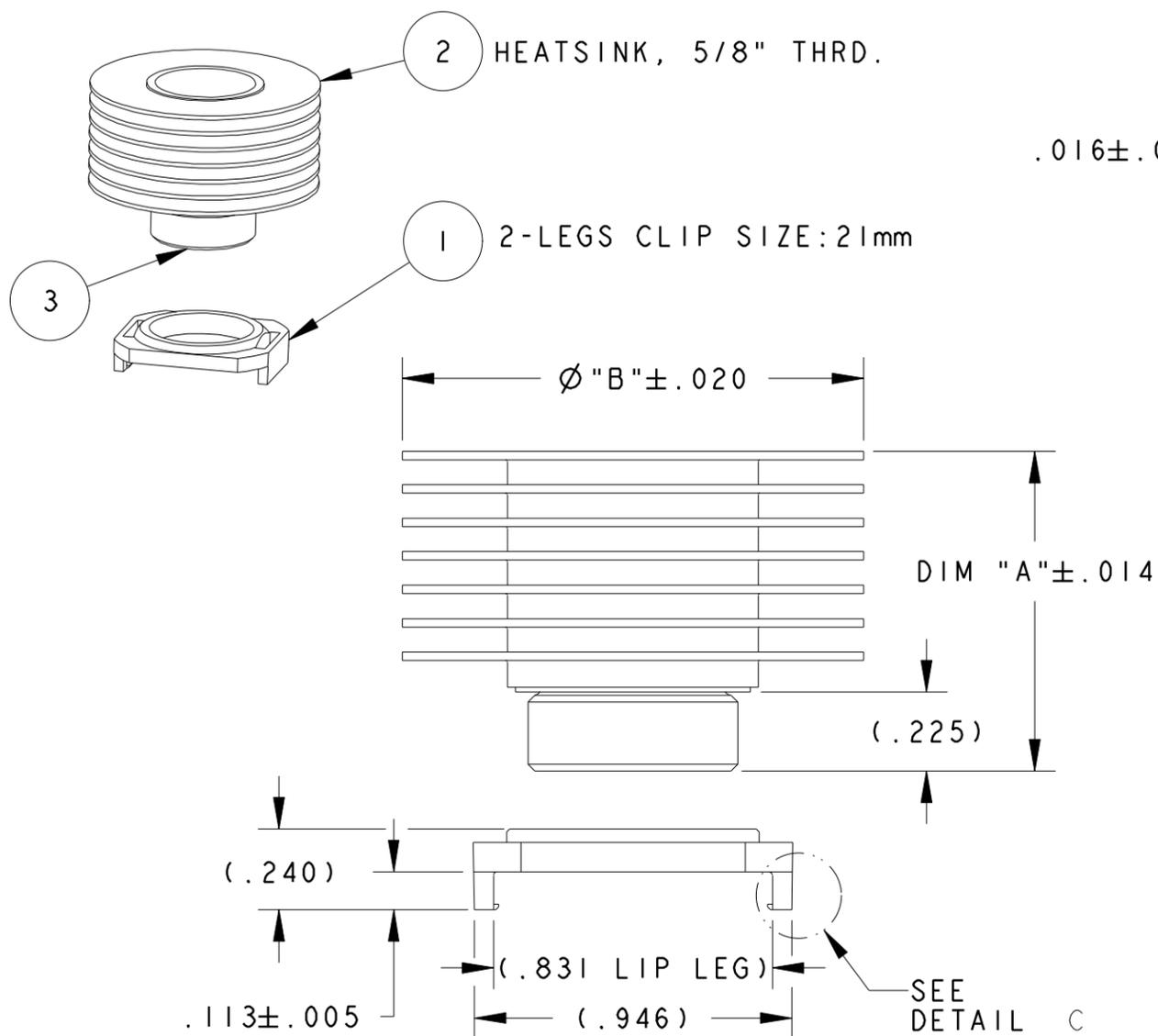


# CUSTOMER DRAWING

SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE



DETAIL SCALE = 8X

NOTES: UNLESS OTHERWISE SPECIFIED:

- INTERPRET DRAWING PER ASME Y14.5M-1994.
- MATERIAL: HEAT SINK: ALUMINUM  
CLIP: BLACK PEI (UL94-V0)
- BEFORE THE HEATSINK APPLICATION, THE USER SHOULD IDENTIFY THE SPECIFICATION OF MAXIMUM LOAD ON THE BGA PACKAGE.

SCREW DRIVER SLOT (.070 WIDE X .100 DEEP) PROVIDED IN THE CENTER PORTION OF THE HEAT SINK. FOR ACCURATE TORQUE SETTING, SCREW DRIVER BIT MUST BE ALIGNED TO THE CENTER LINE OF THE HEAT SINK.

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 = 50.71 NEWTON)

FULL SIZE LID PACKAGE:

1.5 POUND-FORCE INCH TORQUE = 8.3 POUND-FORCE  
(0.17 NEWTON METER TORQUE = 36.92 NEWTON)

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

- REMOVE CLIP WITH REMOVAL TOOL P/N: 1542616-1.
- RoHS COMPLIANT AND CERTIFIED.

200 LFM	400 LFM	600 LFM				
3.70	2.48	2.09	2-1963551-7	Ø2.000" HS, 5/8" THRD. 7 FINS	2.000	.940
4.28	2.77	2.26	2-1963551-5	Ø2.000" HS, 5/8" THRD. 5 FINS	2.000	.740
4.72	3.01	2.40	2-1963551-4	Ø2.000" HS, 5/8" THRD. 4 FINS	2.000	.640
5.19	3.32	2.64	2-1963551-3	Ø2.000" HS, 5/8" THRD. 3 FINS	2.000	.540
5.72	3.66	2.91	2-1963551-2	Ø2.000" HS, 5/8" THRD. 2 FINS	2.000	.440
4.89	3.37	2.71	1-1963551-7	Ø1.375" HS, 5/8" THRD, 7 FINS	1.375	.940
5.61	3.72	2.95	1-1963551-5	Ø1.375" HS, 5/8" THRD, 5 FINS	1.375	.740
6.16	4.01	3.13	1-1963551-4	Ø1.375" HS, 5/8" THRD, 4 FINS	1.375	.640
6.91	4.48	3.51	1-1963551-3	Ø1.375" HS, 5/8" THRD, 3 FINS	1.375	.540
7.67	4.96	3.89	1-1963551-2	Ø1.375" HS, 5/8" THRD. 2 FINS	1.375	.440
Rca (°C/WATT)			ASSEMBLY HS PART NO.	DESCRIPTION	Ø "B"	DIM "A"
THERMAL PERFORMANCE			TABLE 2			

ITEM NO.	DESCRIPTION	QTY
3	INTERFACE	1
2	HEATSINK, 5/8" THRD.	1
1	MOUNTING CLIP	1

TABLE 1 (BOM)

REV.	DESCRIPTION	DATE
A	RELEASE	11/21/04
	E.TAO	5-1-07
	APP'D: V.K	5-7-07
AI	RELEASED	07-01-2339
	ETAO	5-24-07
	APP'D: V.K	5-24-07
B	RELEASED	07-02-3087
	DA	10-1-07
	APP'D: BP	10-18-07
BI	RELEASED	07-03-0181
	ETAO	12-13-07
	APP'D: B.P	12-17-07

DO NOT SCALE	Tyco Electronics North Attleboro, Massachusetts 02760		CONFIDENTIAL PROPERTY OF TYCO ELECTRONICS. NOT TO BE DISCLOSED TO OTHERS. REPRODUCED OR USED FOR ANY PURPOSES EXCEPT AS AUTHORIZED IN WRITING BY AN AUTHORIZED OFFICIAL OF TYCO ELECTRONICS. MUST BE RETURNED TO TYCO ELECTRONICS ON DEMAND, ON COMPLETION OF ORDER OR OTHER PURPOSES FOR WHICH LENT.		TITLE: ASSEMBLY HEATSINK WITH 2 LEGS, 21mm CLIP	
	UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:	DRAWN BY: E.TAO	DATE: 4-24-07	MATERIAL: N/A	DIMENSIONS ARE IN: INCHES	SCALE: 2:1
	.XX ± .	ENGINEER: V. KHEIL	DATE: 5-7-07	FINISH: N/A	SIZE: B	TE PART NO.: SEE TABLE 2
	.XXX ± .	FILENAME: C-1963551	PROJECT: PRO-E		THIRD ANGLE PROJECTION	SHEET 1 of 1

# Mouser Electronics

Authorized Distributor

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[TE Connectivity:](#)

[1-1963551-7](#)