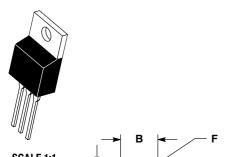
MECHANICAL CASE OUTLINE





TO-220, SINGLE GAUGE CASE 221AB-01 **ISSUE A**

DATE 16 NOV 2010

NOTES:

- NOTES:

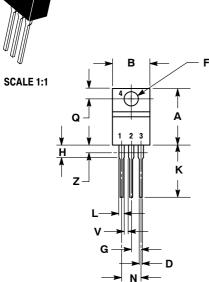
 1. DIMENSIONING AND TOLERANCING PER ANSI Y14.5M, 1982.

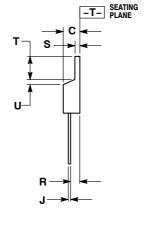
 2. CONTROLLING DIMENSION: INCHES.

 3. DIMENSION Z DEFINES A ZONE WHERE ALL BODY AND LEAD IRREGULARITIES ARE ALLOWED.

 4. PRODUCT SHIPPED PRIOR TO 2008 HAD DIMENSIONS S = 0.045 0.055 INCHES (1.143 1.397 MM)

	INCHES MILLIMETERS		IETERS	
DIM	MIN	MAX	MIN MAX	
Α	0.570	0.620	14.48	15.75
В	0.380	0.405	9.66	10.28
С	0.160	0.190	4.07	4.82
D	0.025	0.035	0.64	0.88
F	0.142	0.147	3.61	3.73
G	0.095	0.105	2.42	2.66
Н	0.110	0.155	2.80	3.93
J	0.018	0.025	0.46	0.64
K	0.500	0.562	12.70	14.27
L	0.045	0.060	1.15	1.52
N	0.190	0.210	4.83	5.33
Q	0.100	0.120	2.54	3.04
R	0.080	0.110	2.04	2.79
S	0.020	0.024	0.508	0.61
T	0.235	0.255	5.97	6.47
5	0.000	0.050	0.00	1.27
٧	0.045		1.15	
Z		0.080		2.04





STYLE 1: PIN 1. 2. 3. 4.	BASE COLLECTOR EMITTER COLLECTOR	STYLE 2: PIN 1. 2. 3. 4.	BASE EMITTER COLLECTOR EMITTER	STYLE 3: PIN 1. 2. 3. 4.	CATHODE ANODE GATE ANODE
STYLE 5: PIN 1. 2. 3. 4.	GATE DRAIN SOURCE DRAIN	STYLE 6: PIN 1. 2. 3. 4.	ANODE CATHODE ANODE CATHODE	STYLE 7: PIN 1. 2. 3. 4.	CATHODE ANODE CATHODE ANODE
STYLE 9: PIN 1. 2. 3. 4.	GATE COLLECTOR EMITTER COLLECTOR	STYLE 10: PIN 1. 2. 3. 4.	GATE SOURCE DRAIN SOURCE	STYLE 11: PIN 1. 2. 3. 4.	DRAIN SOURCE GATE SOURCE

2.	MAIN TERMINAL 2
3.	GATE
4.	MAIN TERMINAL 2
2. 3.	CATHODE ANODE EXTERNAL TRIP/DELAY ANODE

PIN 1. MAIN TERMINAL 1

DOCUMENT NUMBER:	98AON23085D
STATUS:	ON SEMICONDUCTOR STANDARD
NEW STANDARD:	
DESCRIPTION:	TO-220. SINGLE GAUGE

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DOCUMENT NUMBER: 98AON23085D

PAGE 2 OF 2

ICCLIE	DEVICION	DATE
ISSUE	REVISION	DATE
0	CREATED NEW CASE OUTLINE REFERENCE FILE (221AB) FOR SINGLE GAUGE TO-220 FROM PREVIOUS CASE FILE (98ASB42148B.03). REQ. BY A. GARLINGTON.	17 JUL 2006
A	UPDATED UPPER LIMIT OF DIMENSION S ACCORDING TO SINGLE GAUGE PRODUCTION. NEW LIMIT IS 0.024 INCHES. REQ. BY J. SUPINA.	16 NOV 2010
		1

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