



Triacs

25 TO 50 AMPS

T-25-01

Part number	V_{RRM} , V_{DRM} (V)	$I_{T(RMS)}$ @ T_C		I_{TSM} (1)		V_{TM} @ I_{TM} $T_J = 25^\circ C$		R_{thJC} DC ($^\circ C/W$)	Case Outline Number	Notes	Case style
				50Hz (A)	60Hz (A)						
		(A)	($^\circ C$)	(A)	(A)	(V)	(A)				
25AC10A 25AC20A 25AC40A 25AC60A 25AC80A 25AC100A 25AC120A	100 200 400 600 800 1000 1200	25	82	200	209	1.9	35	1.15	T1	(2) (4)	TO-208AA (TO-48) 
50AC10A 50AC20A 50AC40A 50AC60A 50AC80A 50AC100A 50AC120A	100 200 400 600 800 1000 1200	50	85	520	550	2.0	70	0.45	T3	(3) (4)	TO-208AC (TO-65) 

(1) 100% V_{RRM} reapplied $T_J = 125^\circ C$.

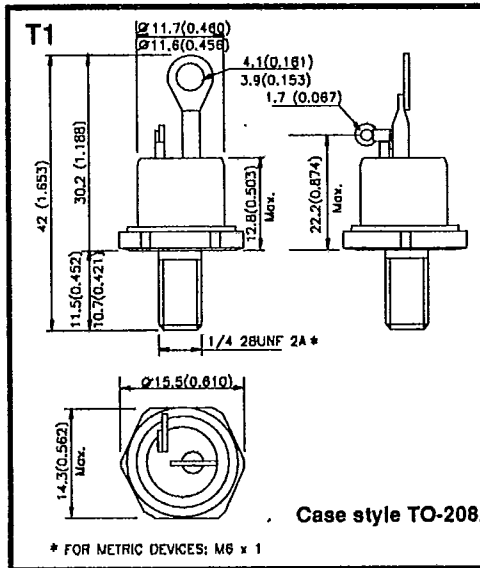
(2) Leaded version available, Outline T2.

(3) Leaded version available, Outline T4.

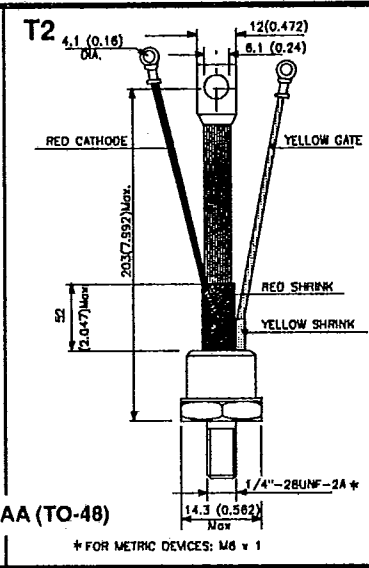
(4) Available with metric stud; to specify add "M" to the end of part number (e.g., 25AC120AM, 50AC120AM).

Case outlines

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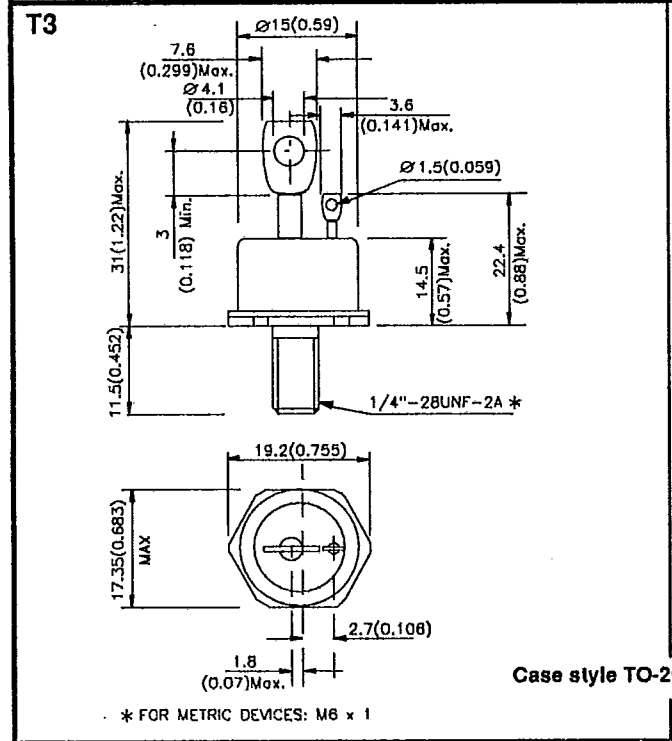


Case style TO-208AA (TO-48)

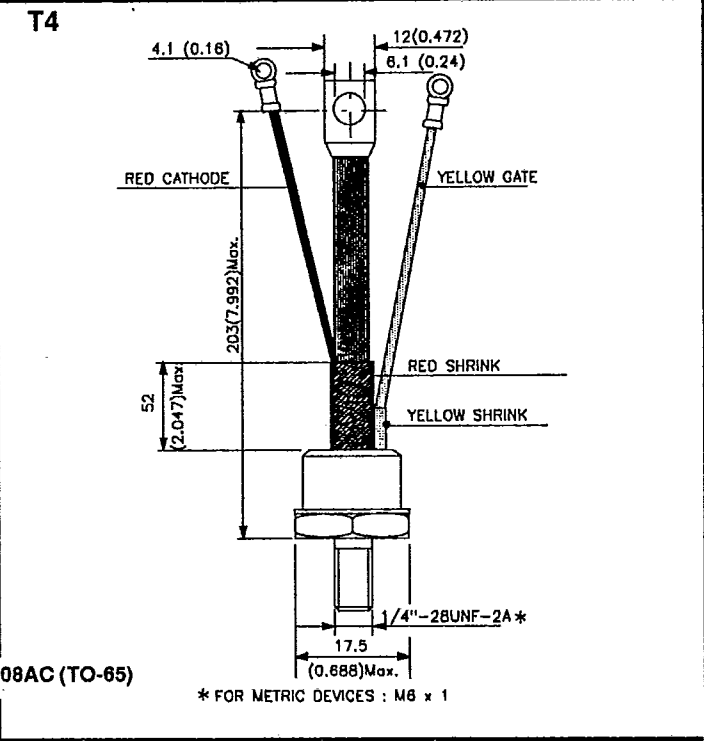


* FOR METRIC DEVICES: M6 x 1

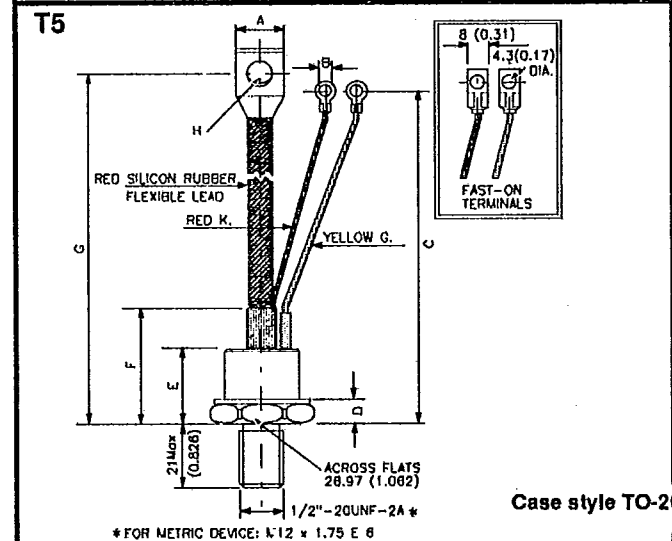
All dimensions in millimetres (inches).
 Dimensions are nominal.
 Full engineering drawings are available on request.



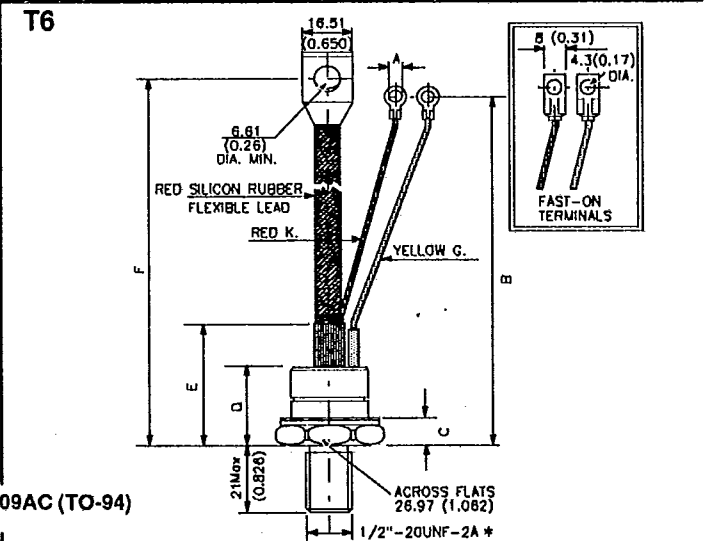
Case style TO-208AC (TO-65)



* FOR METRIC DEVICES: M6 x 1



Case style TO-209AC (TO-94)



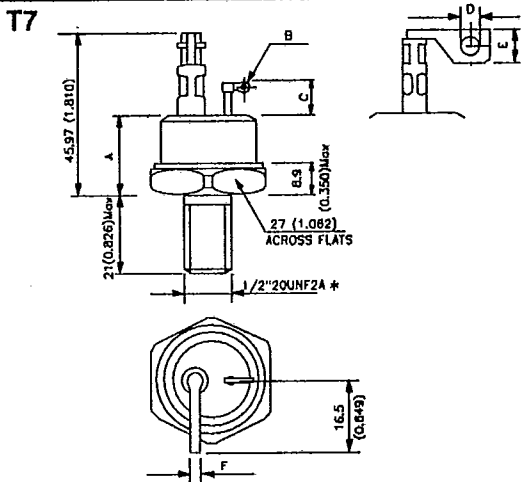
* FOR METRIC DEVICE: M12 x 1.75 E 6

	A	B	C	D	E	F	G	H	
mm	15	7.6	173.99	8.9	20.5	58	160	8.3	T5 A
Inches	(0.59)	(0.299)	(6.850)	(0.350)	(0.807)	(2.283)	(6.299)	(0.326)	
mm	16.51	4.3	215	12.5	29	170	8.6	8.6	T5 B
Inches	(0.650)	(0.17)	(8.46)	(0.49)	(1.41)	-	(6.69)	(0.28)	
mm	14.60	3.58	173.99	8.9	20.44	38.1	154.49	6.8	T5 C
Inches	(0.575)	(0.140)	(6.850)	(0.350)	(0.805)	(1.500)	(6.082)	(0.26)	

	A	B	C	D	E	F	
mm	4.3	215	12.5	29	-	170	T6 A
Inches	(0.17)	(8.46)	(0.49)	(1.41)	-	(6.69)	
mm	3.58	173.99	8.9	28.57	58	152.91	T6 B
Inches	(0.140)	(6.850)	(0.350)	(1.125)	(2.283)	(6.020)	

Case outlines

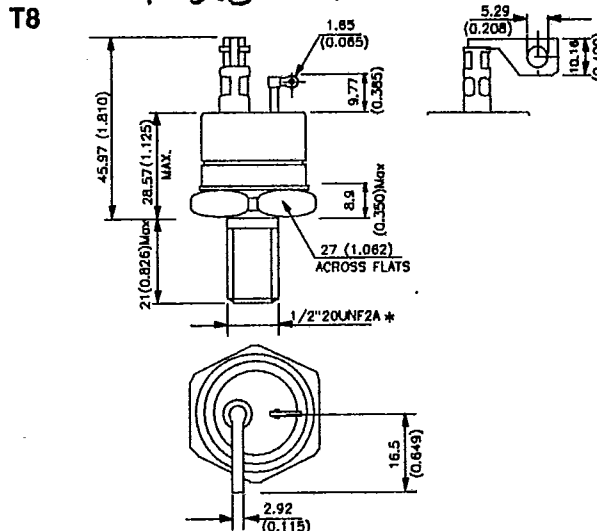
T-25-01



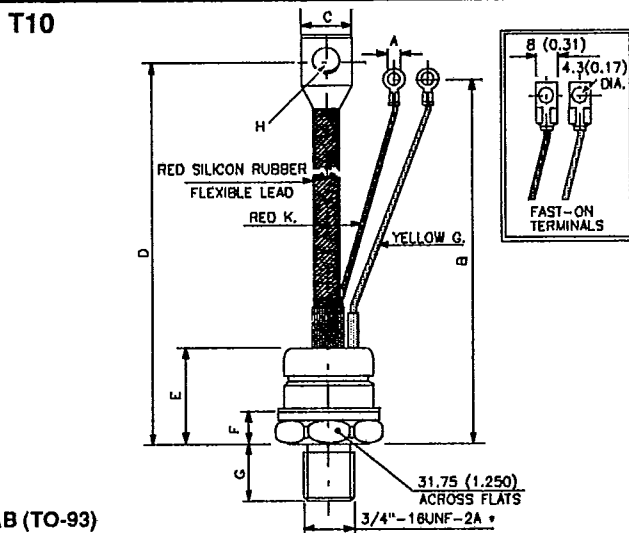
* FOR METRIC DEVICE: M12 x 1.75 E 6

	A	B	C	D	E	F	
mm	20.5	1.8	9.9	9.5	10	2.3	T7 A
Inches	(0.807)	(0.07)	(0.374)	(0.22)	(0.393)	(0.090)	
mm	20.4	1.85	9.77	9.29	10.16	2.92	T7 B
Inches	(0.805)	(0.085)	(0.385)	(0.206)	(0.400)	(0.115)	

Case style TO-208AD (TO-83)

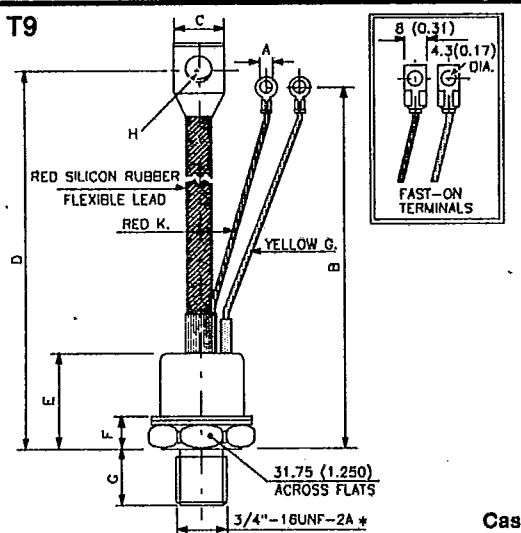


* FOR METRIC DEVICE: M12 x 1.75 E 6



* FOR METRIC DEVICE : M16 x 1.5 E 6

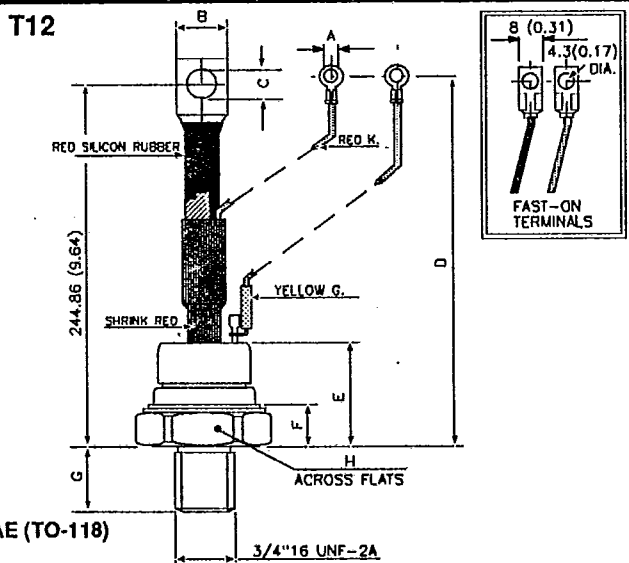
	A	B	C	D	E	F	G	
mm	4.3	220	19	210	38.5	16	27.5	T10 A
Inches	(0.17)	(8.66)	(0.75)	(8.28)	(1.51)	(0.63)	(1.08)	
mm	3.56	196.21	19.17	186.64	34.29	12.70	27.82	T10 B
Inches	(0.140)	(7.725)	(0.755)	(7.35)	(1.350)	(0.500)	(1.095)	



* FOR METRIC DEVICE : M16 x 1.5 E 6

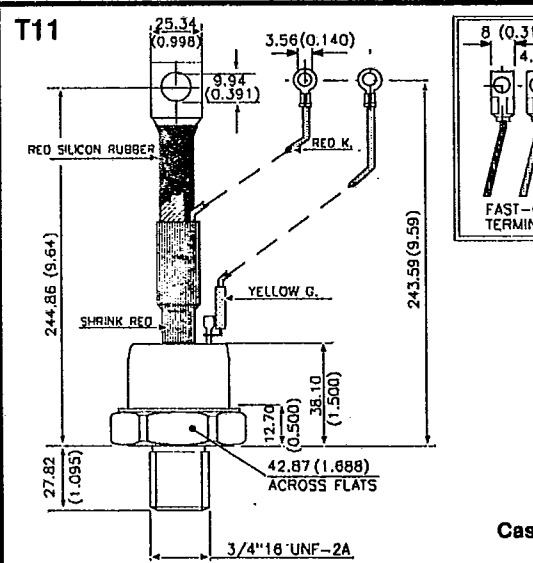
	A	B	C	D	E	F	G	
mm	4.3	220	19	210	38.5	16	27.5	T9 A
Inches	(0.17)	(8.66)	(0.75)	(8.26)	(1.51)	(0.63)	(1.08)	
mm	3.56	196.21	19.17	186.64	31.75	12.70	27.82	T9 B
Inches	(0.140)	(7.725)	(0.755)	(7.35)	(1.250)	(0.500)	(1.095)	

Case style TO-209AB (TO-93)



	A	B	C	D	E	F	G	H	
mm	4.3	22	10.5	245	47	21	27.5	45	T12 A
Inches	(0.17)	(0.866)	(0.41)	(9.64)	(1.85)	(0.82)	(1.08)	(1.77)	
mm	3.56	25.34	9.94	243.59	38.10	12.70	27.82	42.87	T12 B
Inches	(0.140)	(0.998)	(0.391)	(9.59)	(1.500)	(0.500)	(1.095)	(1.688)	

Case style TO-209AE (TO-118)



All dimensions in millimetres (inches)
 Dimensions are nominal
 Full engineering drawings are available on request

Case outlines

INTERNATIONAL RECTIFIER

T-25-01

T13

ANODE TO GATE
CREEPAGE DISTANCE: 7.82(0.300) MIN.
STRIKE DISTANCE: 7.12(0.280) MIN.

19.10 (0.752) DIA. MAX. TWO PLACES

D (TWO PLACES)

GATE TERM. FOR 1.47(0.058) DIA. NOM. PIN RECEPTACLE

2 HOLES 3.56(0.140) x 1.83 (0.072) MIN. DEEP

C

TERM. 4.75(0.187)

20° ± 5°

	A	B	C	D	E	
mm	42	28.1	8.5	0.3	13.1/14.4	T13 A
inches	1.65	1.10	0.25	0.012	0.518/0.567	
mm	41.5	28.32	8.10	0.77	13.85/14.35	T13 B
inches	1.63	1.115	0.240	0.030	0.537/0.565	

Case style TO-200AB (A-PUK)

T14

ANODE TO GATE
CREEPAGE DISTANCE: 11.18(0.440)
STRIKE DISTANCE: 7.82(0.300)

42(1.653) DIA. MAX.

25° ± 5°

2 HOLES 3.56(0.140) x 1.8 (0.070) MIN. DEEP

D (TWO PLACES)

25.3 (0.998) DIA. MAX. TWO PLACES

GATE TERM. FOR 1.47(0.058) DIA. NOM. PIN RECEPTACLE

	A	B	C	D	E	
mm	40.1	28.1	8.5	0.3	14.15/15.1	T14 A
inches	1.57	1.10	0.25	0.012	0.557/0.594	
mm	40.25	28.44	8.23	0.77	14.30/15.10	T14 B
inches	1.585	1.120	0.245	0.030	0.563/0.594	

Case style TO-200AB (E-PUK)

T15

0.782 (0.030) TWO PLACES

34.03(1.340) DIA. MAX. TWO PLACES

26.92 (1.060) MAX.

53.08 (2.090) DIA. MAX.

6.23 (0.245) MIN.

4.75 (0.187) NOM.

20° ± 5°

GATE TERM. FOR 1.47(0.058) DIA. NOM. PIN RECEPTACLE

2 HOLES 3.56(0.140) x 1.78(0.070) MIN. DEEP

35.78(1.409) MAX.

ANODE TO GATE
CREEPAGE DISTANCE: 36.33(1.430) MIN.
STRIKE DISTANCE: 17.43(0.68) MIN.

Case style TO-200AC

T16

67.05 (2.640) DIA. MAX.

47.82 (1.875) DIA. MAX. TWO PLACES

1.40 (0.055) TWO PLACES

27.68 (1.090) MAX.

6.23 (0.245) MIN.

4.75 (0.187) NOM.

20° ± 5°

GATE TERMINAL FOR 1.47 (0.058) DIA. NOM. PIN RECEPTACLE

3.56 (0.140) DIA. NOM. x 2.04 (0.080) DEEP MIN. BOTH ENDS

43.56 (1.715) MAX.

CREEPAGE DISTANCE: 28.88 (1.137) MIN.
STRIKE DISTANCE: 17.99 (0.708) MIN.
ANODE TO GATE

Case style A-24

T17

109.33 (3.950) DIA. MAX.

73.15 (2.880) DIA. MAX. TWO PLACES

0.87 (0.034) TWO PLACES

36.75 (1.447) MAX.

6.23 (0.245) MIN.

4.75 (0.187) NOM.

20° ± 5°

GATE TERMINAL FOR 1.47 (0.058) DIA. NOM. PIN RECEPTACLE

3.56 (0.140) DIA. NOM. x 1.78 (0.070) DEEP MIN. BOTH ENDS

61.97 (2.44) MAX.

CREEPAGE DISTANCE: 51.92 (2.04) MIN.
STRIKE DISTANCE: 32.52 (1.280) MIN.
ANODE TO GATE

Case style A-36

• All dimensions in millimetres (inches)

• Dimensions are nominal

• Full engineering drawings are available on request