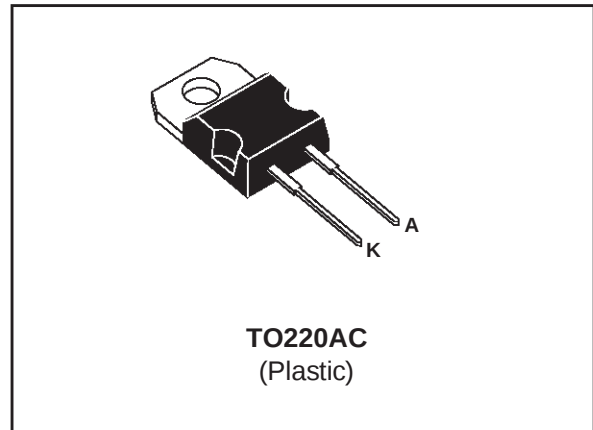


RECTIFIER DIODES

MAIN PRODUCTS CHARACTERISTICS

$I_{F(av)}$	10 A
V_{RRM}	800 V
$V_F(max)$	1.45 V

- STANDARD RECTIFIER
- HIGH SURGE CURRENT CAPABILITY
- LOW FORWARD VOLTAGE DROP



ABSOLUTE MAXIMUM RATINGS (limiting values)

Symbol	Parameter		Value	Unit
$I_{F(AV)}$	Average forward current *	$T_c=100^{\circ}C$	10	A
I_{FSM}	Surge non repetitive forward current	$t_p=10ms$ sinusoidal	140	A
P_{tot}	Power dissipation *	$T_c=100^{\circ}C$	12.5	W
T_{stg} T_j	Storage and junction temperature range		- 40 to + 125	$^{\circ}C$

* Single phase, half wave, resistive or inductive load.

Symbol	Parameter	Value	Unit
V_{RRM}	Repetitive peak reverse voltage	800	V

THERMAL RESISTANCE

Symbol	Parameter	Value	Unit
$R_{th(j-c)}$	Junction to case	2	$^{\circ}C/W$

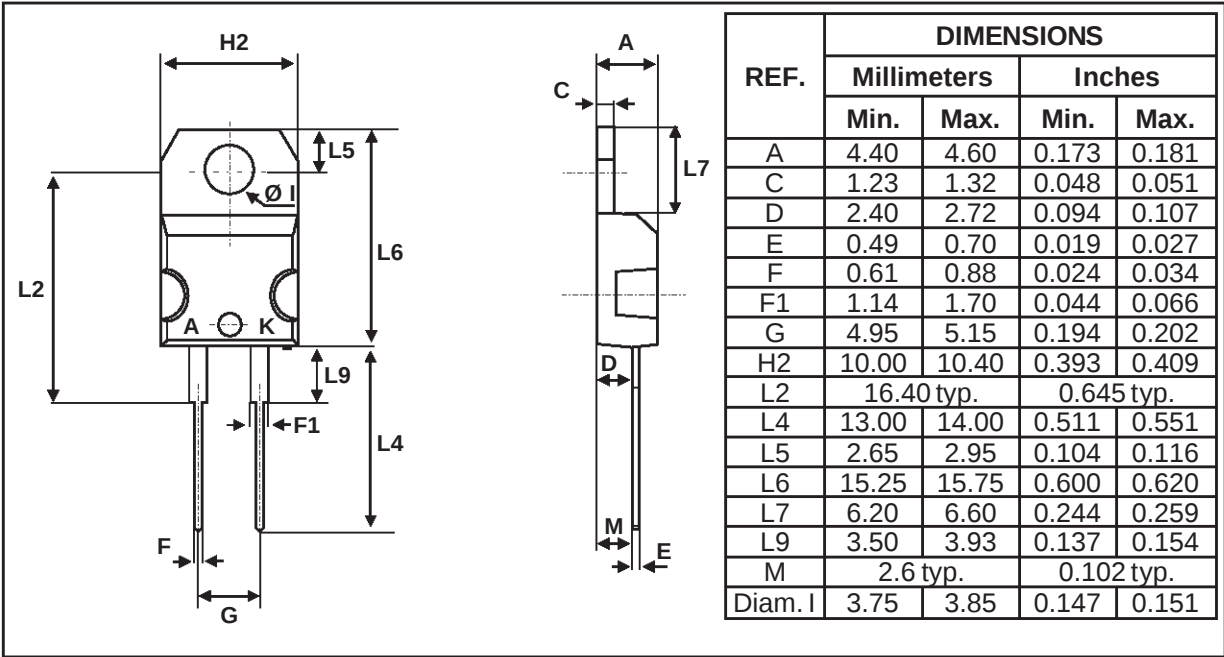
ELECTRICAL CHARACTERISTICS

Symbol	Test Conditions		Min.	Typ.	Max.	Unit
V_F *	$T_j = 25^{\circ}C$	$I_F = 30 A$			1.45	V
I_R **	$T_j = 125^{\circ}C$	$V_R = V_{RRM}$			500	μA

Pulse test : * $t_p = 380 \mu s$, duty cycle < 2 %

** $t_p = 5 ms$, duty cycle < 2 %

PACKAGE MECHANICAL DATA
TO220AC (Plastic)



Cooling method : C
Marking : Type number
Weight : 1.86 g

Recommended torque value : 0.8m.N
Maximum torque value : 1.0m.N

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