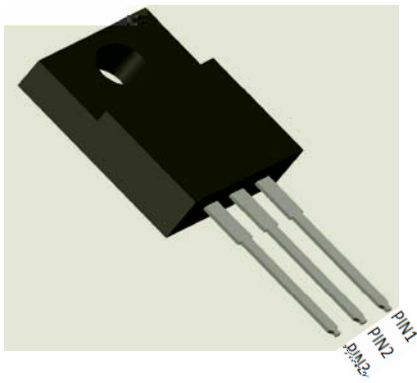




# MBR20F60FCTS

RoHS  
COMPLIANT



## ■Maximum Ratings (T<sub>a</sub>=25 Unless otherwise specified

| PARAMETER                                                                             | SYMBOL           | UNIT             | MBR20F60FCTS |
|---------------------------------------------------------------------------------------|------------------|------------------|--------------|
| Device marking code                                                                   |                  |                  | MBR20F60FCTS |
| Repetitive Peak Reverse Voltage                                                       | VRRM             | V                | 60           |
| Average Rectified Output Current @60Hz sine wave, R-load, T <sub>c</sub> =90          | I <sub>O</sub>   | A                | 20           |
| Surge(Non-repetitive)Forward Current @60Hz half sine-wave,1 cycle, T <sub>a</sub> =25 | I <sub>FSM</sub> | A                | 150          |
| Current Squared Time @1ms≤t≤8.3ms T <sub>j</sub> =25                                  | I <sup>2</sup> t | A <sup>2</sup> s | 94           |
| Storage Temperature                                                                   | T <sub>stg</sub> |                  | -55 ~ +150   |
| Junction Temperature                                                                  | T <sub>j</sub>   |                  | -55 ~ +150   |

|                                                                   |                   |    |                                                          |     |
|-------------------------------------------------------------------|-------------------|----|----------------------------------------------------------|-----|
|                                                                   |                   |    |                                                          |     |
| Maximum DC reverse current at rated DC blocking voltage per diode | I <sub>RRM1</sub> | mA | V <sub>RM</sub> =V <sub>RRM</sub><br>T <sub>a</sub> =25  | 0.2 |
|                                                                   | I <sub>RRM2</sub> |    | V <sub>RM</sub> =V <sub>RRM</sub><br>T <sub>a</sub> =125 | 50  |

Note1:Pulse test:300uS pulse width,1% duty cycle

Note2:Pulse test:pulse width 40mS

v7KHUPDO &KDUDÄFWHUL8VQVIFVV RWKHUAÄLVH VSHFLILHG

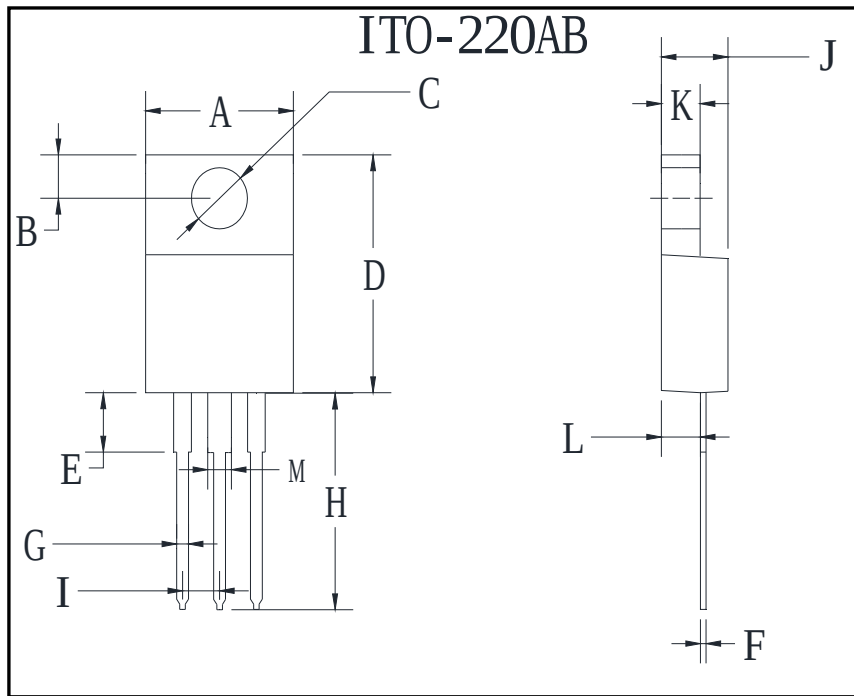
|                    |         |          |      |            |
|--------------------|---------|----------|------|------------|
| 3\$5\$0(7(5        |         | 6<0%2/   | 81,7 | 0%5 ) )&76 |
| 7KHUPDO 5HVLVWDQFH | %HWZHHQ | MX5FWLRQ | DQ:G | FDVH       |

v2UGHULQJ , QIR(U D D S O R Q

|               |            |                           |                           |                               |                |
|---------------|------------|---------------------------|---------------------------|-------------------------------|----------------|
| 35())(5(' 3 1 | 81,7 :(*+7 | 0,1,,080<br>3\$&.\$*( SFV | ,11(5 %2;<br>48\$17,7< SF | 287(5 &\$572;<br>48\$17,7< SF | '(/,9(5< 02'() |
|---------------|------------|---------------------------|---------------------------|-------------------------------|----------------|



## ■Outline Dimensions



| ITO-220AB |       |       |
|-----------|-------|-------|
| Dim       | Min   | Max   |
| A         | 9.8   | 10.2  |
| B         | 2.25  | 2.75  |
| C         | 2.95  | 3.45  |
| D         | 14.75 | 15.25 |
| E         | 3.05  | 3.95  |
| F         | 0.45  | 0.75  |
| G         | 0.45  | 0.75  |
| H         | 13.4  | 14.2  |
| I         | 2.35  | 2.75  |
| J         | 4.3   | 4.8   |
| K         | 2.58  | 2.82  |
| L         | 2.58  | 2.82  |
| M         | 1.47  | 1.77  |

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