

**/ Descriptions**

TO-277  
TO-277 Plastic package Schottky diode .

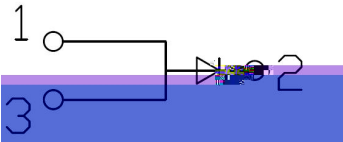
**/ Features**

$V_F(\text{typ})=0.21\text{V}$   
High Forward Surge Capability, Ultra Low Forward Voltage Drop  $V_F(\text{typ})=0.21\text{V}$ , Excellent High Temperature Stability. HF Product.

**/ Applications**

For use in low voltage,high frequency inverters, free wheeling, and polarity protection applications.

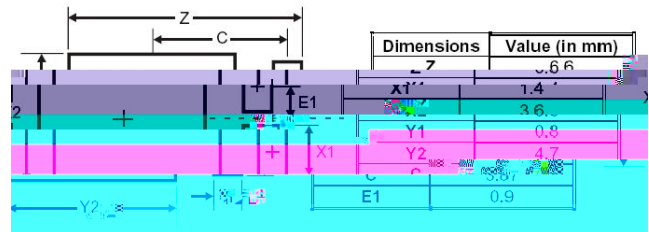
**/ Equivalent Circuit**



**/ Pinning**



PIN1 Anode PIN 2 Cathode PIN 3 Anode



Suggested Pad layout

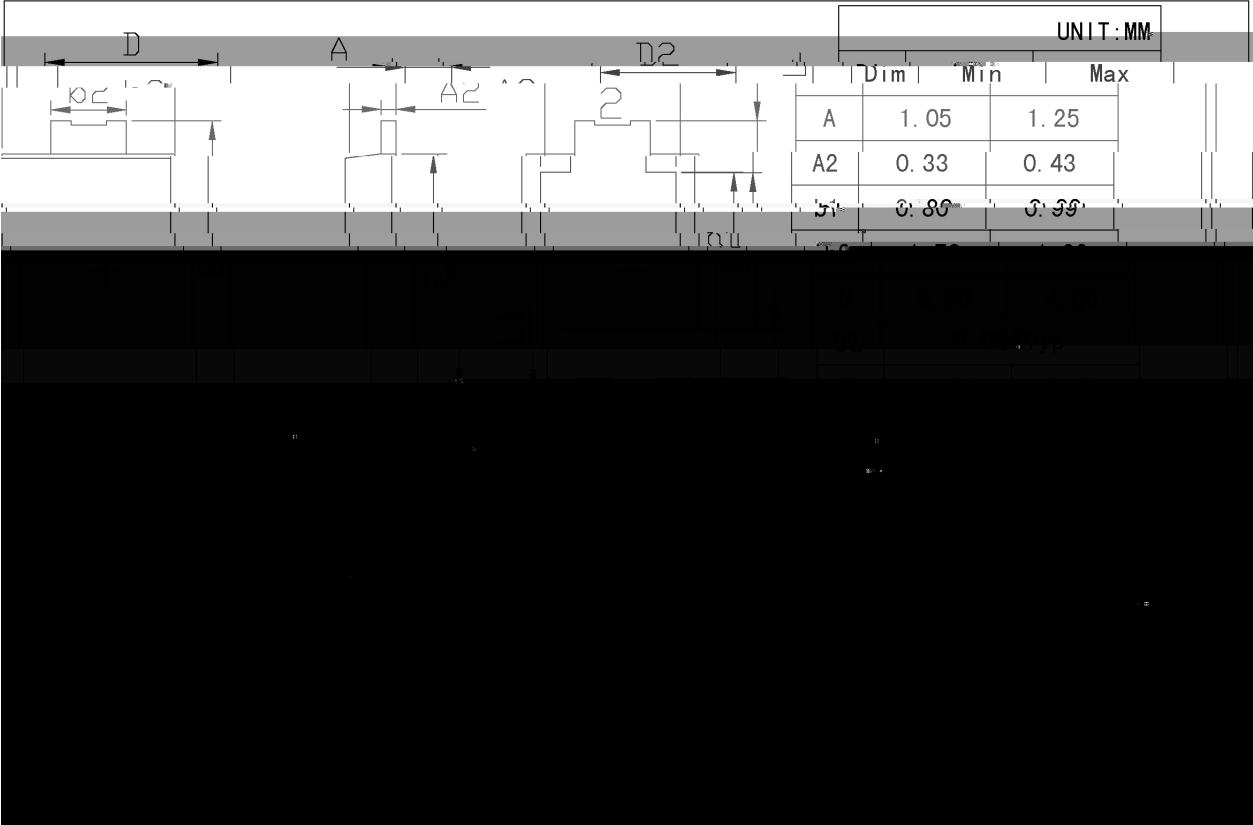
**/ h<sub>FE</sub> Classifications & Marking**

See Marking Instructions.

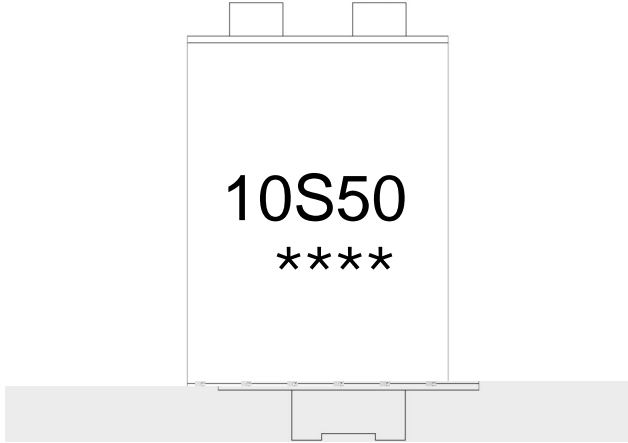
Parameter	Symbol	Rating	Unit
Peak Repetitive Reverse Voltage	V		
Working Peak Reverse Voltage			
Peak Reverse Voltage			

**LV10S50E**  
Rev.G Oct.-2018

/ Package Dimensions



/ Marking Instructions



10S50

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Note:

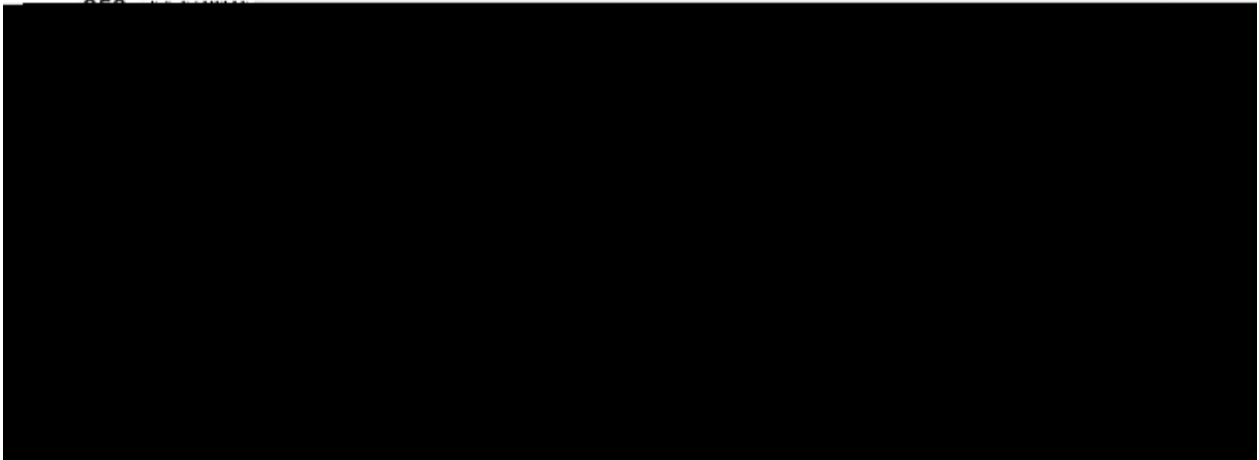
10S50

Product Type.

\*\*\*\*:

Lot No. Code, code change with Lot No.

( ) / Temperature Profile for IR Reflow Soldering(Pb-Free)



Note:

- |   |         |           |   |
|---|---------|-----------|---|
| 1 | 150 180 | 60 90sec; | 1.Preheating:150~180 , Time:60~90sec.   |
| 2 | 245±5   | 5±0.5sec; | 2.Peak Temp.:245±5 , Duration:5±0.5sec. |
| 3 | 2 10    | /sec.     | 3. Cooling Speed: 2~10 /sec.            |

/ Resistance to Soldering Heat Test Conditions

260±5                      10±1 sec.                      Temp.:260±5                      Time:10±1 sec

/ Packaging SPEC.

/ REEL

Package Type	Units					Dimension (unit mm <sup>3</sup> )		
	Units/Reel /	Reels/Inner Box /	Units/Inner Box /	Inner Boxes/Outer Box /	Units/Outer Box /	Reel	Inner Box	Outer Box
TO-277	5,000	3	15,000	6	90,000	13 ×12	360×360×50	380×335×366

/ Notices