LV15S60E

Rev.H Oct.-2018

/ Descriptions

TO-277 ṂṂ ٤ ⸗ ᵍ⁀ ‖ ٦

TO-277 Plastic package Schottky diode.

/ Features

ϫ* ᵇ ╡ ╨ ἶ ᒣ ı ʌ Ḩ* ᵇ я ن V_F(typ)=0.24V ı Ҹ ȁ ϫ □ Ꮙ ḧ ớ ἡ ғ ᵝ

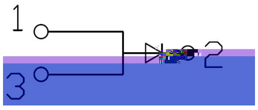
High Forward Surge Capability, Ultra Low Forward Voltage Drop V_F(typ)=0.24V, Excellent High Temperature Stability. HF Product.

/ Applications

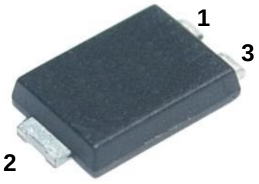
ϫ ḭ Ḩ я ⸗ ɔ ╙Ọ ╙ ‖ ٦ ı ʎ ╙ ‖ ٦ ı Ʒ ἶ ‖ ٦

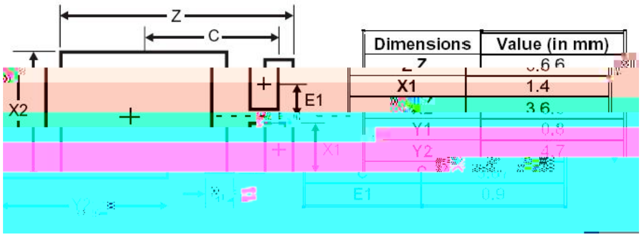
For use in low voltage,high frequency inverters, free wheeling, and polarity protection applications.

/ Equivalent Circuit



/ Pinning





Dimensions	Value (in mm)
Z	[illegible]6.6
X1	1.4
X2	3.6
Y1	0.8
Y2	4.7
C	[illegible]
E1	0.9

PIN1 χ Anode PIN 2 χ Cathode PIN 3 χ Anode

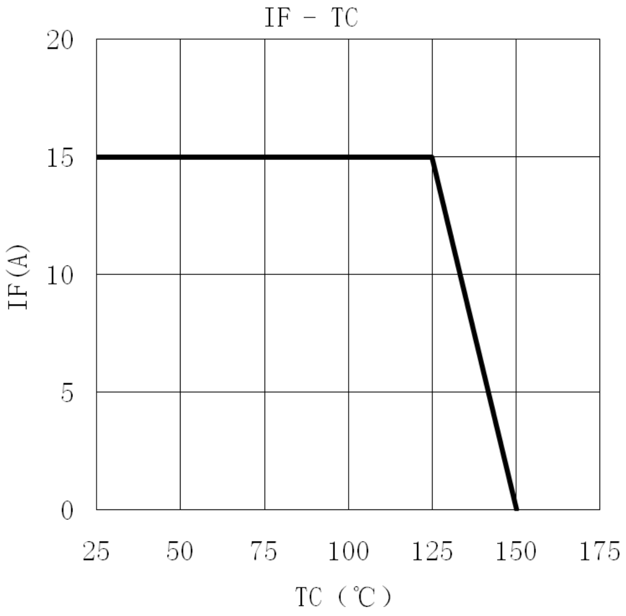
Suggested Pad layout

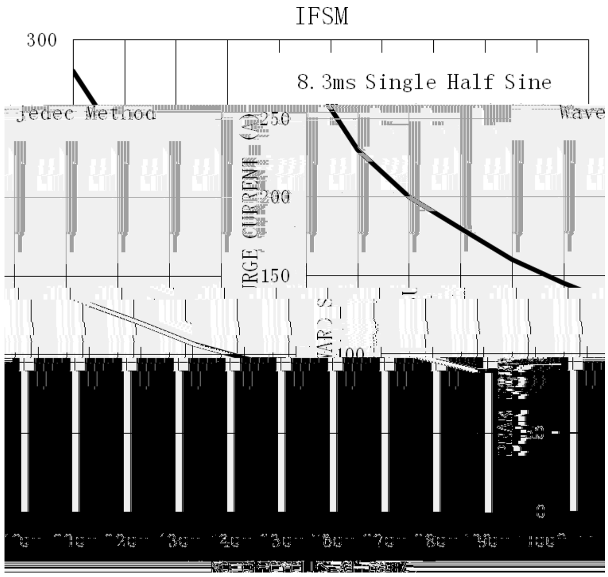
/ h_{FE} Classifications & Marking

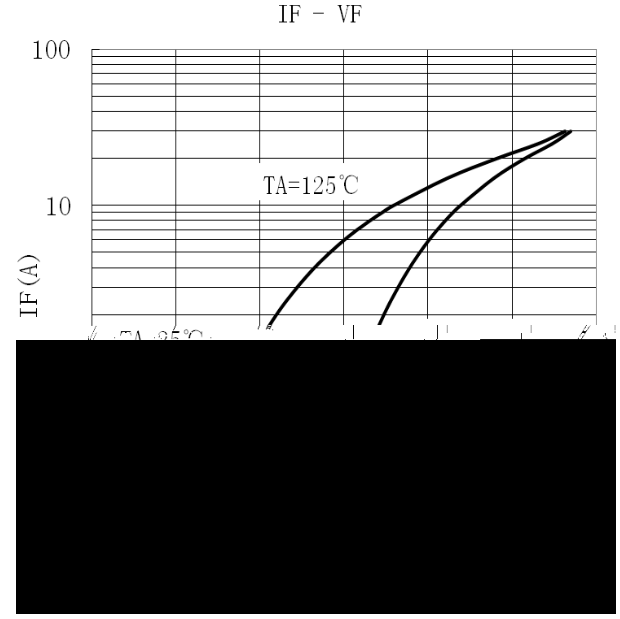
ŏ м ٦ ب ˝ See Marking Instructions.

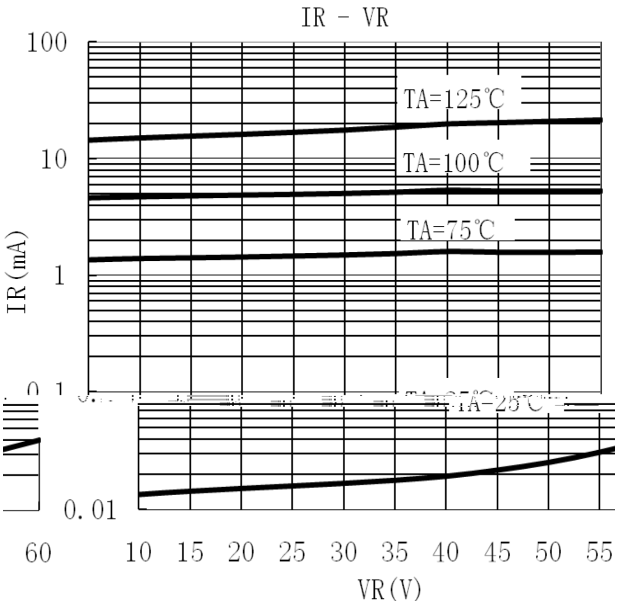
v ῎Ω̡ Parameter	ɺ ᴺ Symbol	῎Ω̡Ӫ

/ Electrical Characteristic Curve

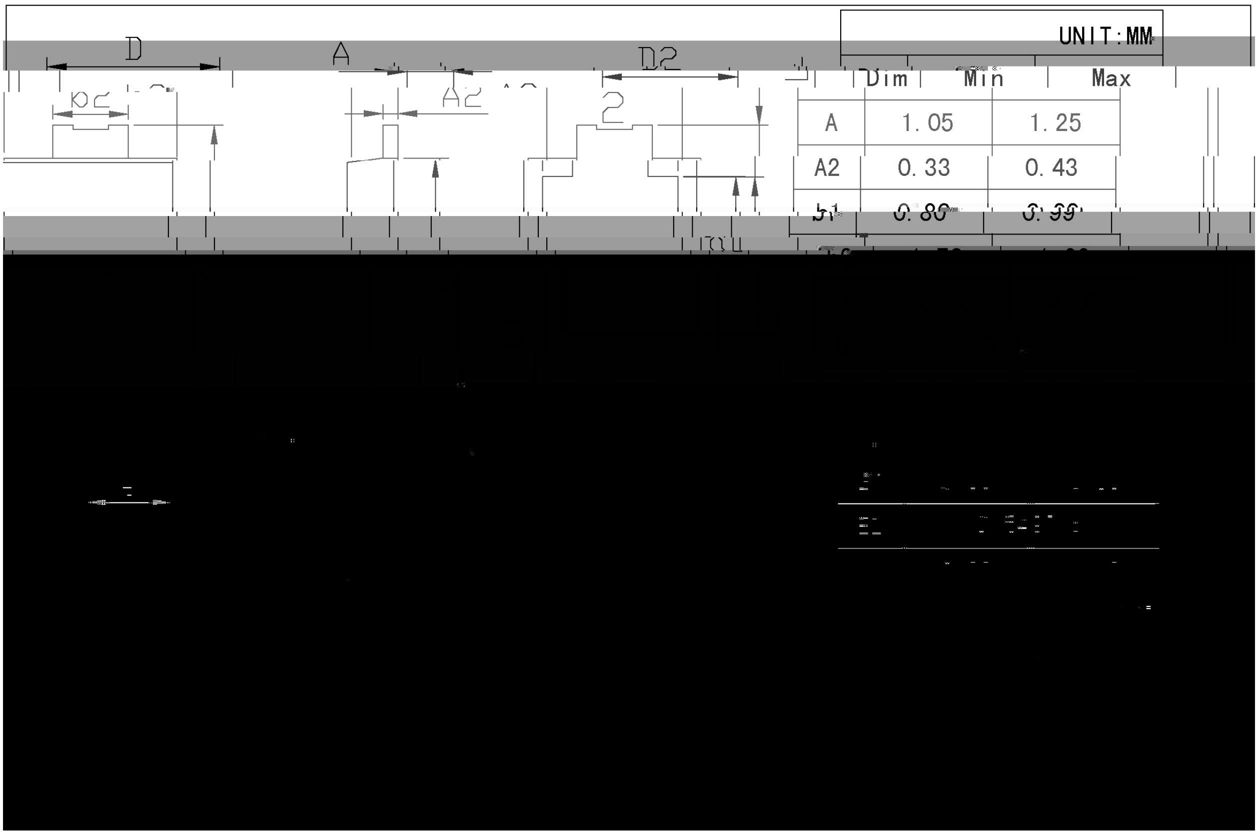






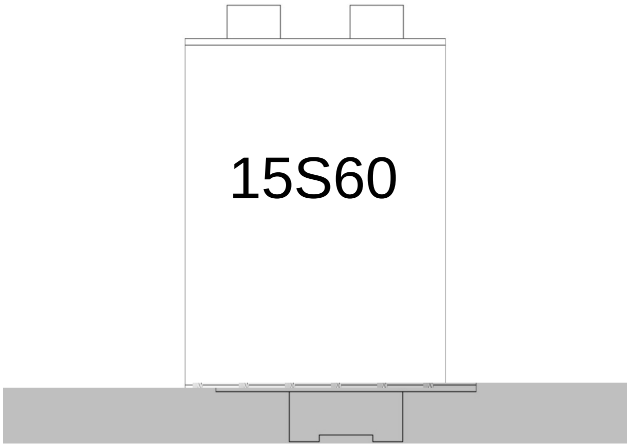


/ Package Dimensions



Dim	Min	Max
A	1.05	1.25
A2	0.33	0.43
b1	0.80	0.99

/ Marking Instructions



ب ˝ χ

48V93 χ ㅉ ʒ ᴺ ᒥƅ

---- χ ㅉ ꞁ ғ ή ᴺ ᒥƅ ι ɞ ꞁ ғ ή ᴺ ψ ק

Note:

48V93 χ	Product Type.
****:	Lot No. Code, code change with Lot No.

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

[redacted]

ب ˝ χ

1 ỉ ♬ □ ẙ 150 Ḱ 180 ƚ ı ̀H ڙ 60 Ḱ 90sec;

2 Ś � □ ẙ 245 ° 5 ƚ ı ̀H ڙ ʽY ʎ ㅒ 5 ° 0.5sec;

3 ì ˙ Ⴤ ˛ ɔ ه ẙ ㅒ 2 Ḱ 10 ƚ /sec.

Note:

1.Preheating:150~180 ƚ , Time:60~90sec.

2.Peak Temp.:245 ° 5 ƚ , Duration:5 ° 0.5sec.

3. Cooling Speed: 2~10 ƚ /sec.

60 ° 5/ƚ ỹ Ʈ 10°

ʒ