



Features

- High current capability, low forward voltage
Excellent high temperature stability
Low power loss, and high efficiency
High forward surge capability
RoHS compliant, and Halogen free

Mechanical Data

- Case: TO-277 small outline plastic package
Terminal: Matte tin plated, solderable per MIL-STD-750, Method 2026
Molding Compound Flammability Rating:UL 94V-0
High temperature soldering guaranteed: 260°C /10second
Packed with FRP substrate and epoxy underfilled

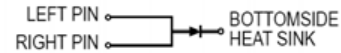
Applications

- Switching mode power supply applications
Portable equipment battery applications
High frequency rectification
DC/DC converter
Polarity protection applications

Ordering Information

- Device: YS10E100
Package: TO-277
Marking: 10E100
Material: Halogen free
Packing: Tape & 13" Reel
Quantity per reel: 5,000pcs

Pin Configuration



Maximum Ratings @ TA = 25°C unless otherwise specified

Table with 4 columns: Symbol, Parameter, Value, Units. Rows include VRRM, IF(AV), IFSM, and TJ & TSTG.

Electrical Characteristics @ TA = 25°C unless otherwise specified

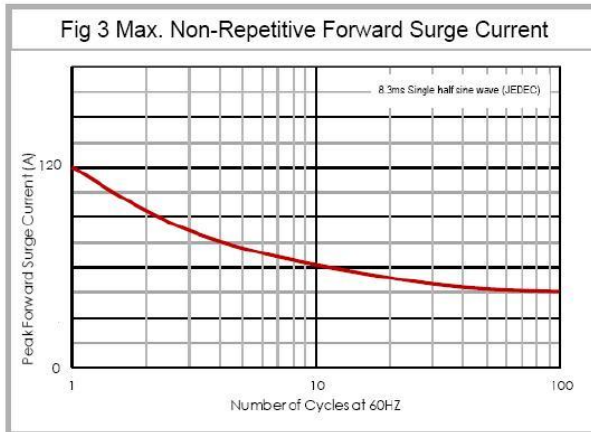
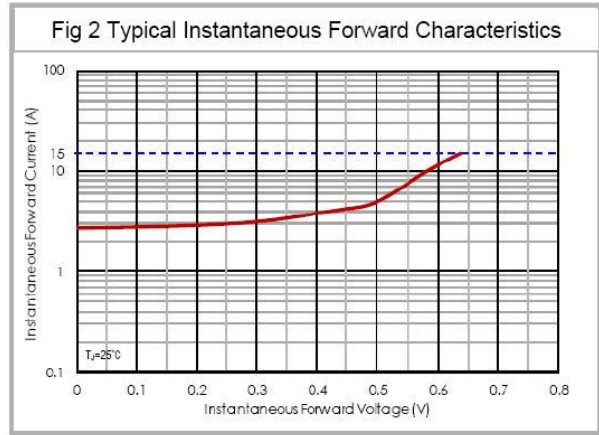
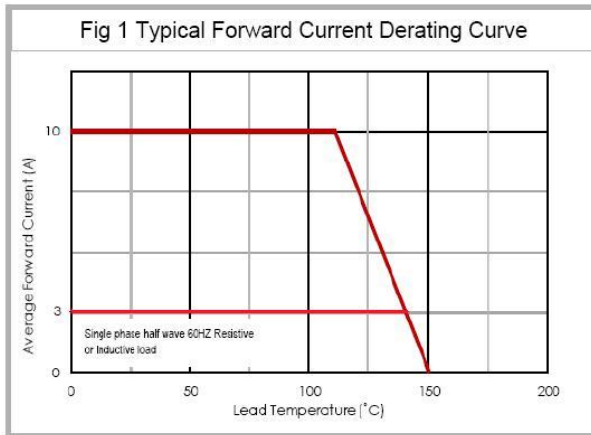
Table with 7 columns: Symbol, Parameter, Test Condition, Min, Typ, Max, Units. Rows include VF, VR, IR, CJ, and Rth(JA).

Note 1: Polyimide PCB, 2oz. copper. Cathode pad dimensions 18.8x14.4mm. Anode pad dimensions 5.6x14.4mm

DEVICE CHARACTERISTICS

YS10E100

Electrical characteristic curves



PACKAGE OUTLINE AND DIMENSIONS

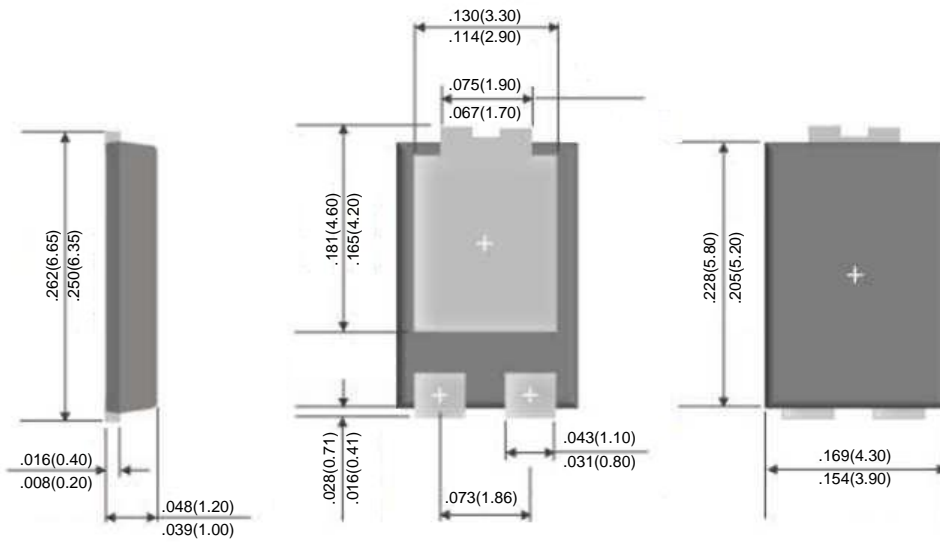
YS10E100

PACKAGE AND SUGGESTED PAD LAYOUT DIMENSION

TO-277

Outline drawing and Dimension

unit: inch (mm)



FOOT PRINT RECOMMENDATION	MARKING CODE						
<p style="text-align: center;">unit: mm</p>	<table border="1" data-bbox="802 1805 1449 1890"> <tr> <td data-bbox="802 1805 1018 1850">YS</td> <td data-bbox="1018 1805 1233 1850">10E100</td> <td data-bbox="1233 1805 1449 1850">XXXX</td> </tr> <tr> <td data-bbox="802 1850 1018 1890">Logo</td> <td data-bbox="1018 1850 1233 1890">Device name</td> <td data-bbox="1233 1850 1449 1890">Date code</td> </tr> </table>	YS	10E100	XXXX	Logo	Device name	Date code
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