

Fast Recovery High Voltage Diodes

Reverse Voltage – 30KV

Forward Current –200mA

FEATURES

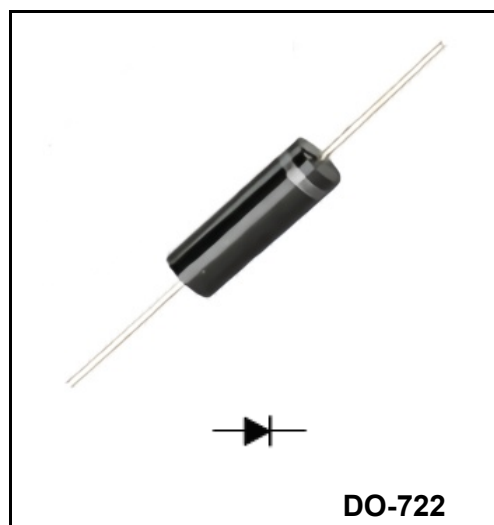
- ◆Supersmall size
- ◆High reliability
- ◆High speed switching

Applications

Rectification for high voltage power supply of color T.V、CRT display、V.T.R camera and Others

MECHANICAL DATA

- ◆Case: Molded Plastic Body
- ◆Epoxy meets UL 94V-0 flammability rating
- ◆Terminals: Pure tin plated leads, solderable per J-STD-002 and JESD22-B102, E3 suffix for consumer grade, meet JESD201 class 1A whisker test.
- ◆Polarity: Color band denotes cathode end



| Marking Code | |
|--------------|--------------|
| 2CL2030H | YFW 2CL2030H |

Maximum rating (Ta=25°C unless otherwise noted)

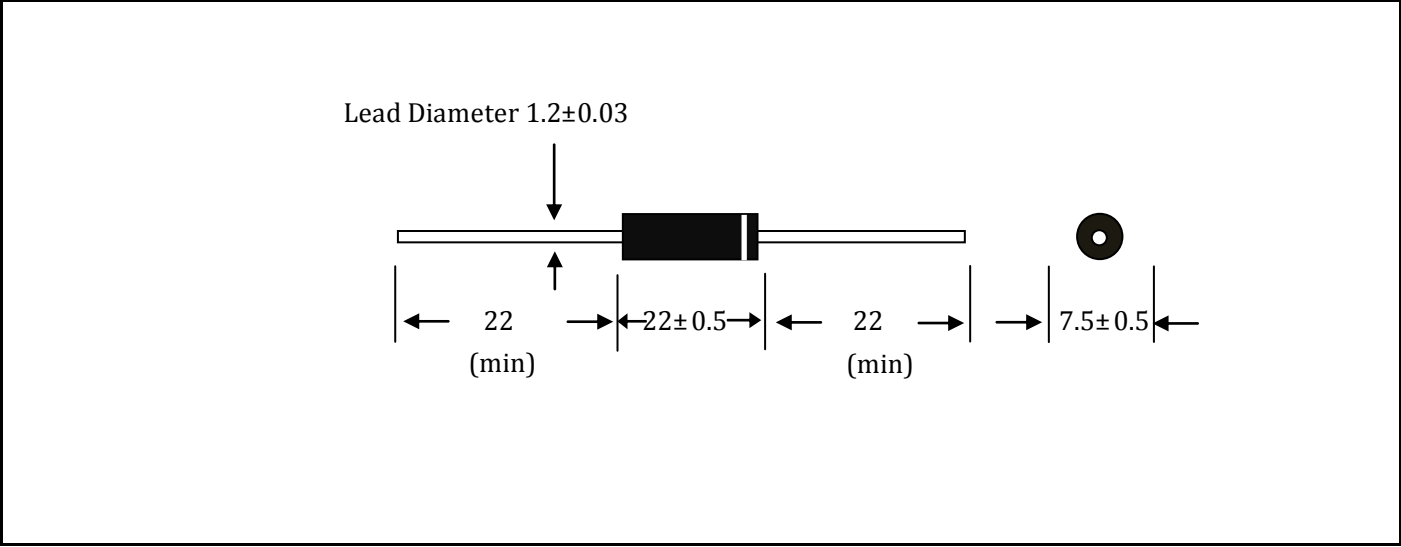
| Parameter | | | Symbols | 2CL2030H | Units |
|--------------------------------------|---|----------|--------------|------------|-------|
| Repetitive peak reverse voltage | | | V_{RRM} | 30 | KV |
| Average forward current | 60Hz half-sine wave, Resistance load, Ta=25°C | | $I_{F(AV)}$ | 200 | mA |
| Surge(Non-repetitive)forward current | 60Hz half-sine wave, 1 cycle, Ta=25°C | | I_{FSM} | 10 | A |
| Peak forward voltage | I_{FM} =100mA | | V_{FM} | 46 | V |
| Peak reverse current | V_{RM} = V_{RRM} | Ta=25°C | I_{RRM} | 5 | μA |
| | | Ta=100°C | | 50 | |
| Reverse recovery time | I_F =10mA, I_{RM} =20mA | | trr | 0.08 | μs |
| Operating ambient temperature | | | Ta | -40 ~ +125 | °C |
| Storage Temperature Range | | | Tstg | -40 ~ +125 | °C |
| Virtual junction temperature | | | T(vj) | 125 | °C |

Ordering information

| Package | Packing Description | Packing Quantity |
|---------|---------------------|---------------------------------|
| DO-722 | bulk | 500PCS/Inner Bag 5000PCS/Carton |

Package Dimensions(Millimeter(mm))

DO-722



Disclaimer

The information presented in this document is for reference only. GuangDong Youfeng Microelectronics Co.,Ltd. reserves the right to make changes without notice for the specification of the products displayed herein to improve reliability, function or design or otherwise. The product listed herein is designed to be used with ordinary electronic equipment or devices, and not designed to be used with equipment or devices which require high level of reliability and the malfunction of which would directly endanger human life (such as medical instruments, transportation equipment, aerospace machinery, nuclear-reactor controllers, fuel controllers and other safety devices), YFW or anyone on its behalf, assumes no responsibility or liability for any damages resulting from such improper use of sale. This publication supersedes & replaces all information previously supplied. For additional information, please visit our website <https://www.yfwdiode.com>, or consult YFW sales office for further assistance.