

High Voltage Diodes

Reverse Voltage – 4KV

Forward Current –120mA

FEATURES

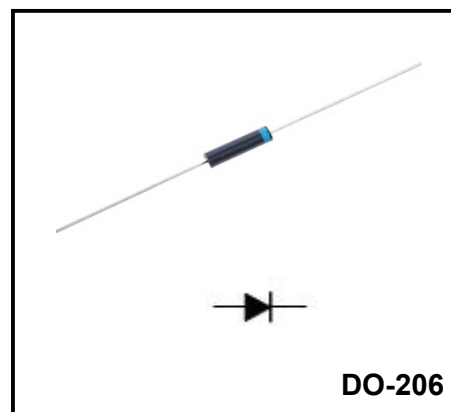
- ♦Supersmall size
- ♦High reliability
- ♦High speed switching

Applications

- ♦Car ignition systems.

MECHANICAL DATA

- ♦Case: Molded Plastic Body
- ♦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

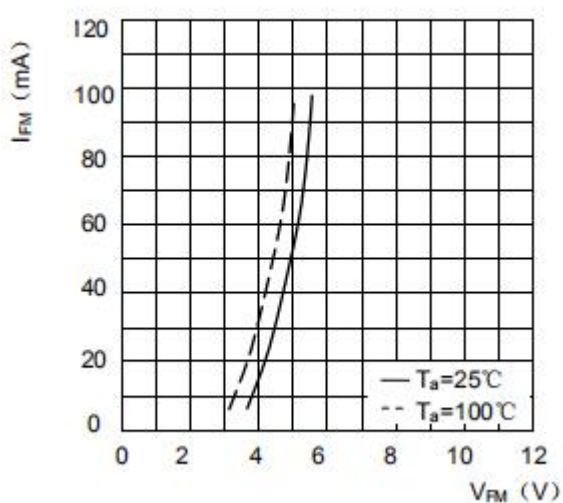
2CL1204

YFW 1204

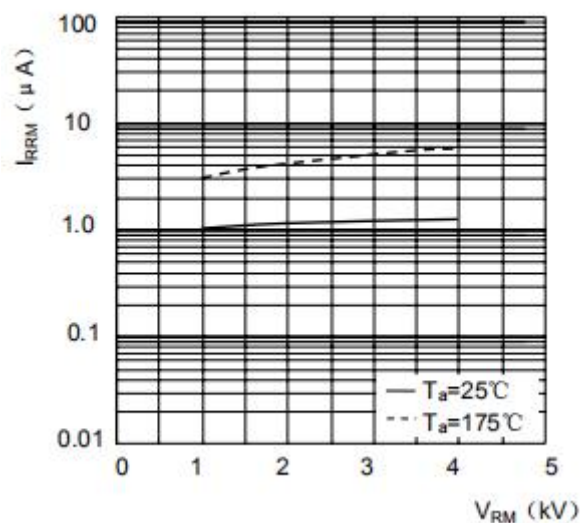
Maximum rating (Ta=25°C unless otherwise noted)

Parameter		Symbols	2CL1204	Units
Repetitive peak reverse voltage		V_{RRM}	4	KV
Non-Repetitive peak reverse voltage		V_{RSM}	4.4	KV
Average forward current	60Hz half-sine wave, Resistance load, Ta=25°C	$I_{F(AV)}$	120	mA
Surge(Non-repetitive)forward current	60Hz half-sine wave, 1cycle, Ta=25°C	I_{FSM}	10	A
Peak forward voltage	$I_{FM}=100mA$	V_{FM}	6	V
Peak reverse current $V_{RM}=V_{RRM}$	Ta=25°C	I_{RRM}	2 30	μA
	Ta=175°C			
Avalanche breakdown voltage	$I_{RM}=100\mu A$	$V_{(BR)}$	5.5	KV
Storage Temperature Range		T_{stg}	-65 ~ +175	°C
Virtual junction temperature		$T_{(vj)}$	175	°C

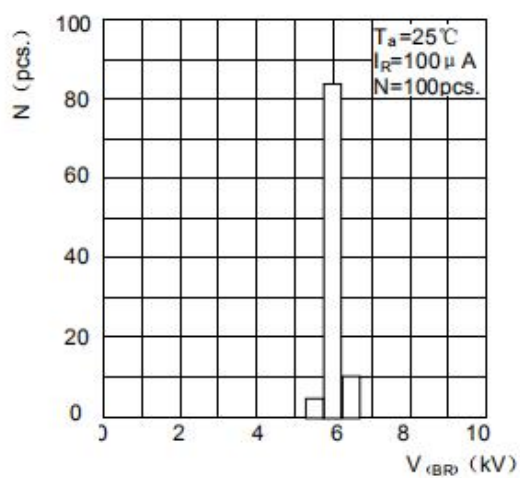
Typical characteristics



Forward Characteristics



Reverse Characteristics



Breakdown Voltage Distribution

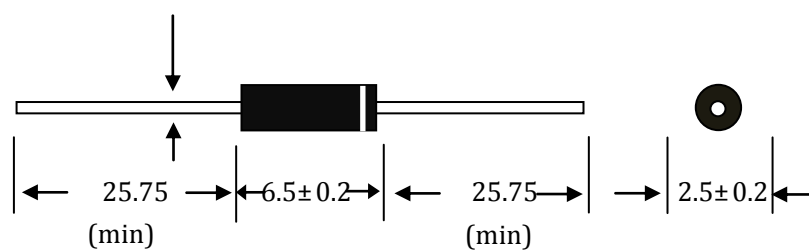
Ordering information

Package	Packing Description	Packing Quantity
DO-206	ammo pack	5000PCS/Inner Box 50000PCS/Carton

Package Dimensions(Millimeter(mm))

DO-206

Lead Diameter 0.5 ± 0.03



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