

2CL70A THRU 2CL71A

GW

HIGH VOLTAGE FAST RECOVERY RECTIFIERS



FEATURES

- * Super small size
- * High reliability
- * High speed switching

PURPOSE

- * Rectification for office equipments of high voltage
- * Rectification for Other high voltage power

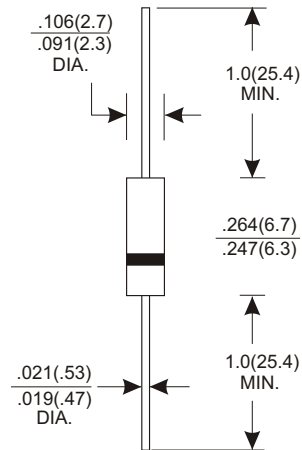
VOLTAGE RANGE

6000 to 8000 Volts

CURRENT

5.0 mAmpere

DO-206



Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND CHARACTERISTICS: (Absolute Maximum Ratings)

TYPE NUMBER	2CL70A	2CL71A	UNITS
Maximum Recurrent Peak Reverse Voltage	6	8	KV
Non-Repetitive Reverse Voltage	8	10	KV
Maximum Forward Voltage $I_F=10\text{mA}$	20	25	V
Average Forward Rectified Current 50HZ Half-Sine Wave, Resistance load $T_a=25^\circ\text{C}$	5		mA
Surge(Non-repetitive)Forward Current 50HZ half-sine wave, 1/2 cycle, $T_a = 25^\circ\text{C}$	0.5		A
Normal Temperature Reverse Current $T_a=25^\circ\text{C}$	2.0		μA
High Temperature Reverse Current $T_a=100^\circ\text{C}$	5.0		μA
Maximum Reverse Recovery Time (Note 1)	100		nS
Operating Ambient Temperature T_a	$-40 \text{ --- } +100$		$^\circ\text{C}$
Storage Temperature T_{stg}	$-40 \text{ --- } +120$		$^\circ\text{C}$
Virtual Junction Temperature $T_{(vj)}$	120		$^\circ\text{C}$

NOTES:

1. Reverse Recovery Time test condition: $I_F=2.0\text{mA}$, $I_{RP}=4.0\text{mA}$, 1mA Recovery