

## FEATURES

- | High speed switching

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- | High Current

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- | High surge resistivity for CRT discharge

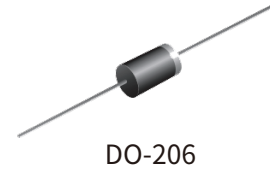
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- | High reliability design

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- | High Voltage

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## Applications

- | X-Ray power supply

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- | Laser

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- | Voltage doubler circuit

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- | Microwave emission power

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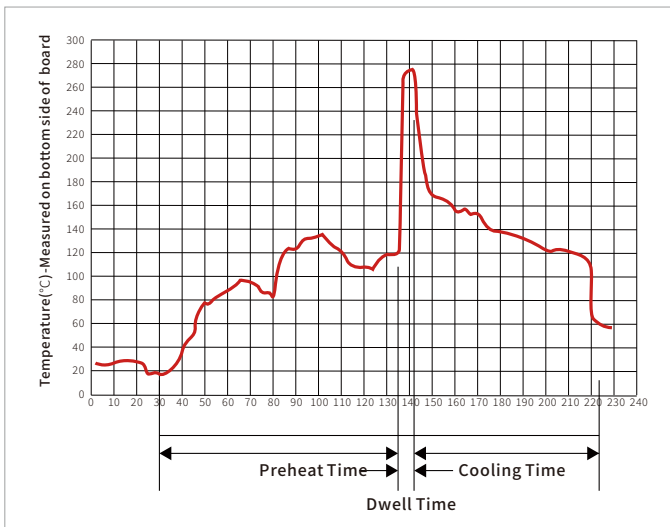
## APPROVALS

<b>RoHS</b>	Compliance with 2011/65/EU
<b>HF</b>	Compliance with IEC61249-2-21:2003

## MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS ( $T_A=25^{\circ}\text{C}$ )

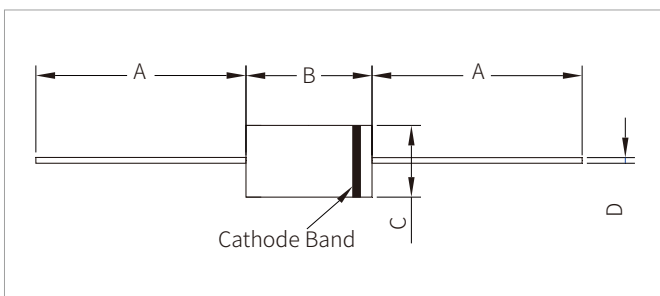
Characteristic	Symbol	2CL69	Unit
Repetitive Peak Reverse Voltage	$V_{RRM}$	4.0	KV
Average Output Current $T_a=25^{\circ}\text{C}$ , Resistive Load	$I_O$	5.0	mA
Surge Current	$I_{FSM}$	0.5	A
Maximum Forward Voltage Drop, at $25^{\circ}\text{C}$ , $I_F=I_{F(AV)}$	$V_F$	18	V
Maximum Reverse Current	$I_R$	at $25^{\circ}\text{C}$	2.0
		at $100^{\circ}\text{C}$	50
Maximum Reverse Recovery Time, at $25^{\circ}\text{C}$	$t_{rr}$	100	nS
Junction Capacitance, at $25^{\circ}\text{C}$ , $V_R=0\text{V}$ , $f=1\text{MHz}$	$C_j$	1.0	pF
Junction Temperature	$T_j$	125	$^{\circ}\text{C}$
Allowable Operation Case Temperature	$T_c$	125	$^{\circ}\text{C}$
Storage Temperature	$T_{stg}$	-40~+125	$^{\circ}\text{C}$

## WAVE SOLDERING



Wave Parameter		Lead-free assembly
Pre Heat	Temperature Min	100°C
	Temperature Max	150°C
	Time(min to max)	60 – 180 secs
Solder pot Temperature		280°C Max
Solder Dwell Time		2-5 seconds

## DO-206 PACKAGE INFORMATION



Ref.	Millimeters		Inches	
	Min.	Max.	Min.	Max.
A	25.75	-	1.013	-
B	6.3	6.7	0.248	0.264
C	2.3	2.7	0.094	0.106
D	0.47	0.53	0.019	0.021

## ORDERING INFORMATION

Part Number	Component Package	QTY/Reel	Reel Size
2CL69	DO-206	5000PCS	13"

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