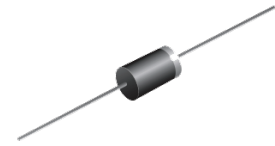


FEATURES

- | Supersmall size
- | High reliability
- | High speed switching



DO-206

MECHANICAL DATA

- | Case: Molded Plastic Body
- | Epoxy meets UL 94V-0 flammability rating
- | Polarity: Color band denotes cathode end

APPROVALS

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

MAXIMUM RATINGS AND CHARACTERISTICS (T_A=25°C)

Parameter	Symbol	2CL70A	2CL71A	Unit
Marking		T70A	T71A	
Repetitive peak reverse voltage	V _{RRM}	6	8	kV
Non-Repetitive peak reverse voltage	V _{RSM}	8	10	kV
Average forward current 60HZ half-sine wave, Resistance load, Ta=25°C	I _{F(AV)}	5		mA
Surge(Non-repetitive) forward current 60HZ half-sine wave, 1cycle, Ta=25°C	I _{FSM}	0.5		A
Peak forward voltage I _{FM} =10mA	V _{FM}	24	30	V
Peak reverse current V _{RM} =V _{RRM}	I _{RRM}	T _A =25°C		μA
		T _A =100°C		
Reverse recovery time I _F =2mA, I _{RM} =4mA	t _{rr}	0.08		uS
Operating ambient temperature	T _a	-40 ~ +100		°C
Storage temperature	T _{stg}	-40~+120		°C
Virtual junction temperature	T _(VJ)	120		°C

CHARACTERISTIC CURVES

Fig.1 Forward Characteristics

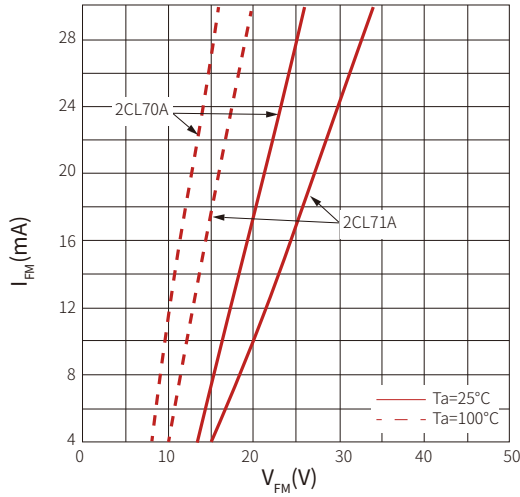


Fig.2 Reverse Characteristics

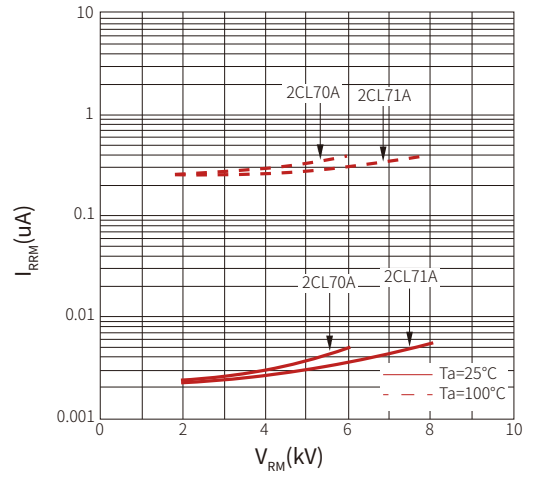


Fig.3 V_R - $I_{F(AV)}$ Curve

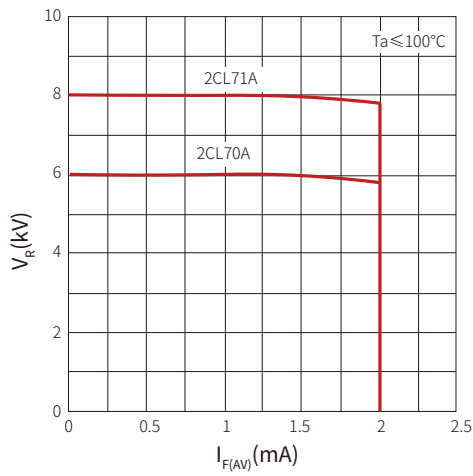
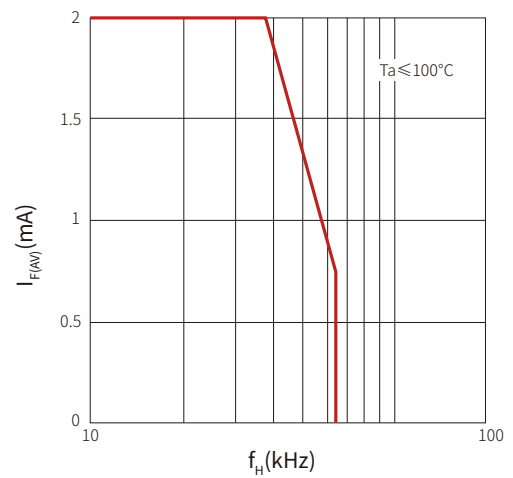
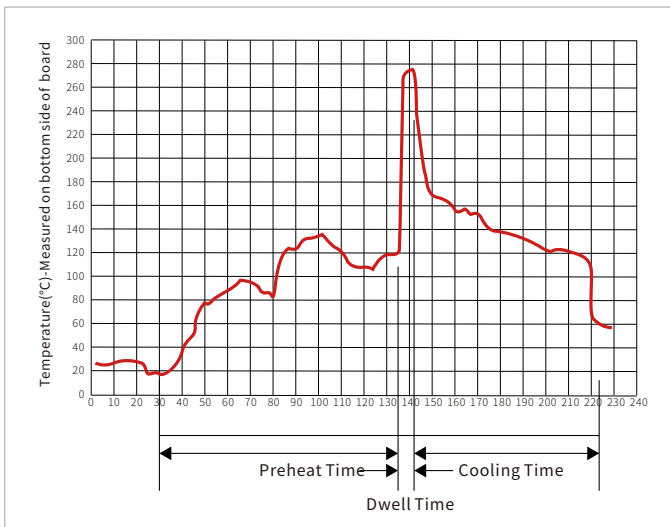


Fig.4 $I_{F(AV)}$ - f_H Curve

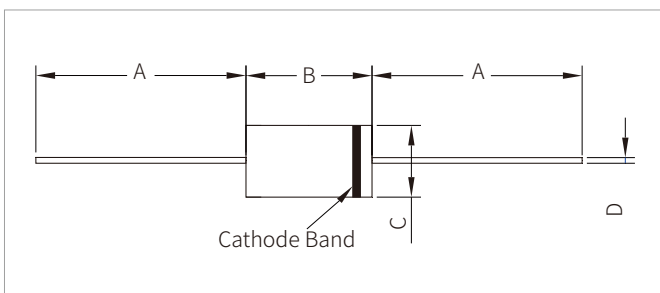


WAVE SOLDERING



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
2CL70A-2CL71A	DO-206	5000PCS	13"

Headquarters

No.3387 Shendu Road
Pujiang I&E Park
Minhang Shanghai China
201000

Hotline

400-021-5756

Web

<https://www.semiware.com>

Sales Center

Tel: 86-21-3463-7458
Email: sales18@semiware.com

Customer Service

Tel: 86-21-5484-1001
Email: sales17@semiware.com

Technical Support

Tel: 86-21-3463-7654
Email: fae01@semiware.com

Complaint & Suggestions

Tel: 86-21-3463-7172
Ext: 8868
Email: cs03@semiware.com

By QR Code

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