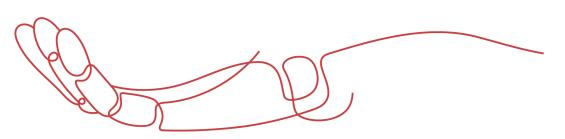




PRODUCT DATA SHEET



To learn more about JGSEMI, please visit our website at







Datasheet

ources Samples

Please note: Please check the JINGAO Semiconductor website to verify the updated device numbers. The most current and up-to-date ordering information can be found at www.jg-semi.cn. Please email any questions regarding the system integration to JINGAO_questions@jgsemi.com.



100mA 30V Crownpo Technology

Features

- Low forward voltage
- Thin & leadless package for space saving
- Pb free version, RoHS compliant, and Halogen free

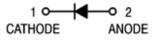


Mechanical Characteristics

Case: DFN1006(0402) mold package

Terminal: Sn/Au plated, solderable per

MIL-STD-750, method 2026



Maximum Rating And Electrical Characteristics (at Ta=25℃ unless otherwise noted)

Parameter	Condition	Symbol	Min	Тур	Max	Unit
Repetitive peak reverse voltage		VRRM			35	V
Reverse voltage		VR			30	V
Average forward current		lo			100	mA
Forward current surge peak	8.3 ms single half sine-wave superimposed on rate load (JEDEC method)	IFSM			1	Α
Storage/Operation temperature		T_{Sgt}	-40		125	°C
Junction temperature		TJ			125	°C
Forward voltage	IF1=10mA IF2=20mA IF3=100mA	VF			0.29 0.30 0.40	V
Reverse current	VR=30V	IR			30	uA



Typical Characteristics

Fig.1-forward characteristics

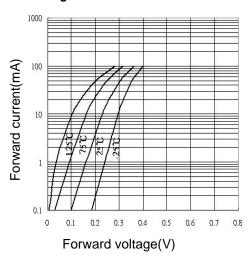


Fig.3 - Capacitance between terminals characteristics

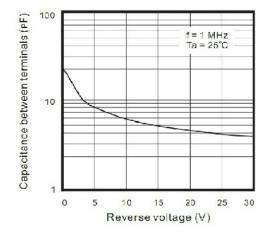


Fig.2-Reverse characteristics

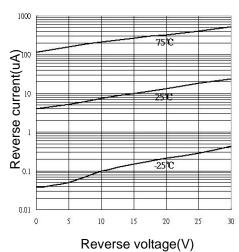


Fig.4 - Current derating curve

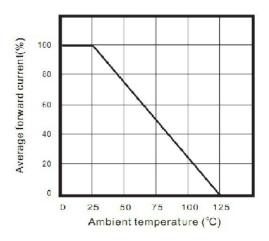


Fig. 5 - VF Dispersion map

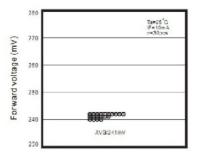


Fig. 6 - IR Dispersion map

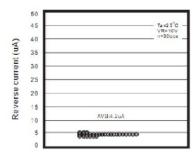
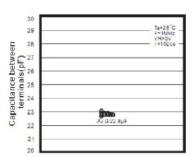
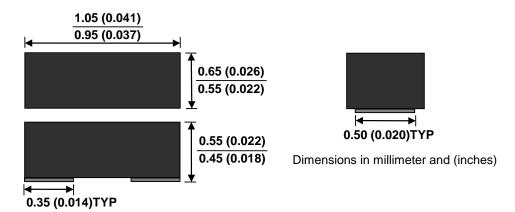


Fig. 7 - CT Dispersion map

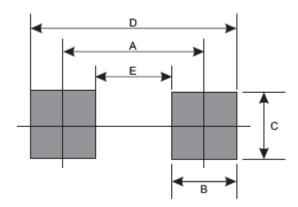




DFN1006(0402)



Recommended Soldering Footprint



Reflow Soldering

5 1 . c:	Dimension/ mm							
Product Size	Α	В	С	D	E			
DFN1006	0.750	0.500	0.700	1.250	0.250			
	0.030″	0.020″	0.028″	0.049″	0.010″			



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