

5 é / Descriptions

SOD-323 .> // x RK Ô Â 8 â 'ož
Schottky Diode in a SOD-323 Plastic Package.

□ a / Features

RK Ô Â 8 â ' k ... ` ' +) 7 ö Ö ä U ´ Å } L k —) í D }ož
Schottky diodes, Qualified to AEC-Q101 Standards for High Reliability, HF Product.

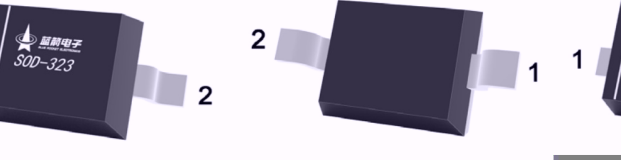
Đ ÷ / Applications

9 4 ' Z Ô ò k á V ñ • } Lož
Small signal diode, Meet the stringent requirements of automotive applications.

Ã w] Ô · / Equivalent Circuit



• Ô - æ / Pinning



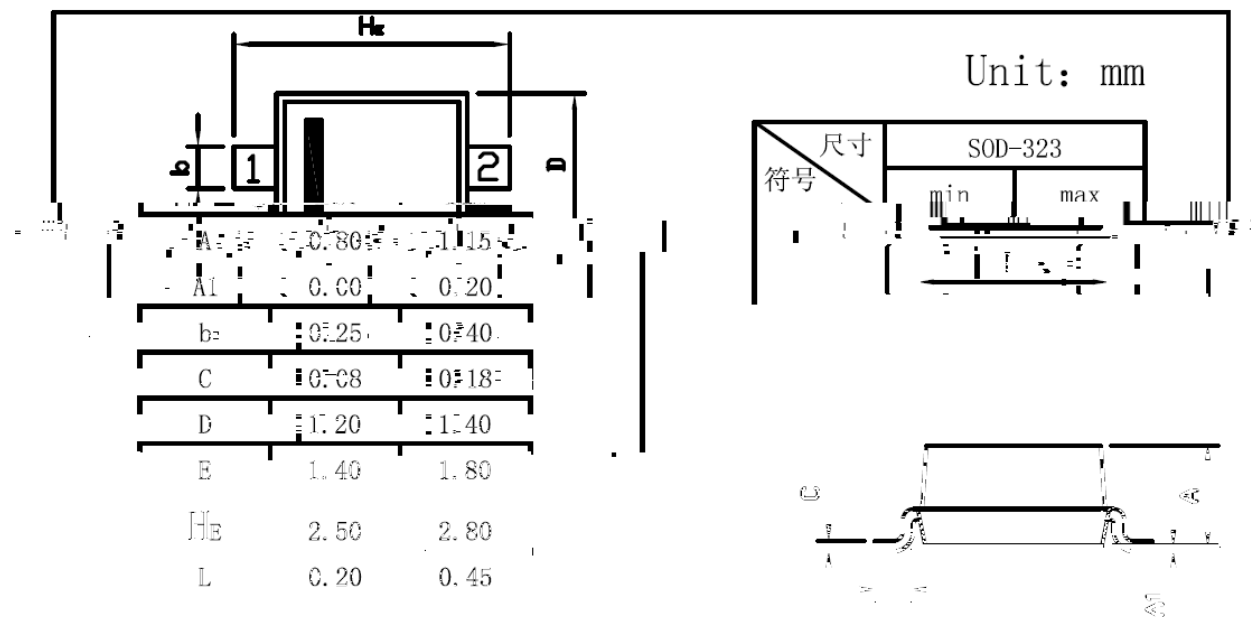
PIN1:Cathode PIN2:Anode

, M V / Marking

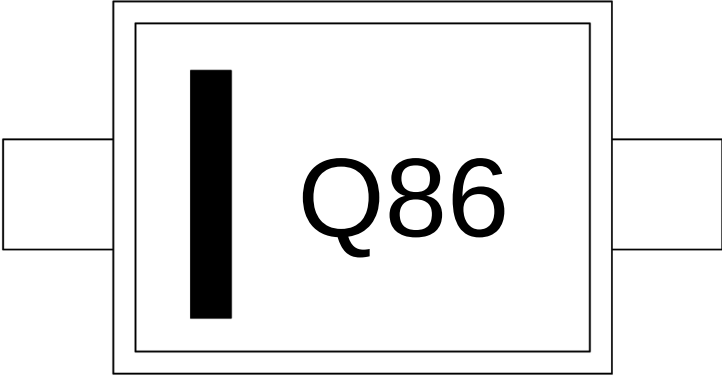
Marking	Q86
---------	-----

@ f Parameter	... Z Symbol	f > Rating	% y Unit
Repetitive peak reverse voltage	V _{RRM}	30	V
Continuous forward current	I _F	200	mA
Surge non repetitive forward current	I _{FSM}	600	mA
Power Dissipation	P _D	250	mW
Typical Thermal Resistance Junction to Ambient	R _{JA}	430	/W
Junction Temperature Range	T _J	125	
Storage Temperature Range	T _{stg}	-55 150	

@ f Parameter	... Z Symbol	y i Ú ^ Test Conditions	f > Rating		% y Unit
			MIN	MAX	
Reverse Voltage	V _R	I _R =10 A	30		V
Peak Forward voltage	V _F	I _F =0.1mA		240	mV
		I _F =1.0mA		320	mV
		I _F =10mA		400	mV
		I _F =30mA		500	mV
		I _F =100mA		0.8	V

$$\emptyset \propto \rightarrow \textcircled{C}$$


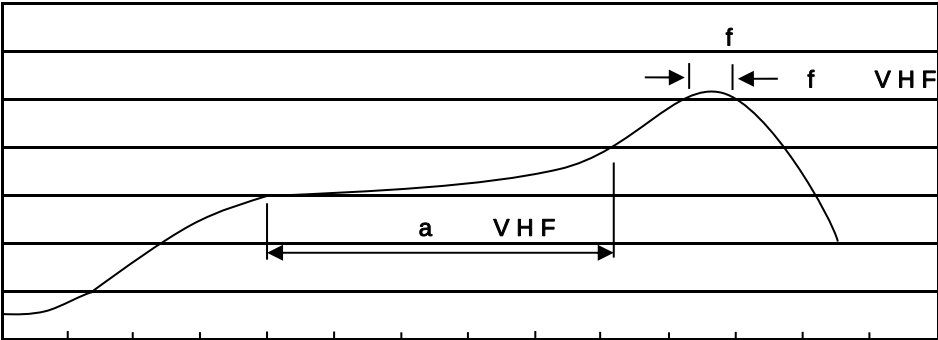
, M y f / Marking Instructions



- ^ ¢ y
- 7 y V ñ —) í D } ö æ
- y ° Z W A
- Note:
- Q: Automobile halogen-free product Code
- 86: Product Type Code

šWD t...•Žč (x/) / :KSVKXGZ[XK 6XULORK LUX /8 8KLRU] 9URJKXOTM 6

7HPSHUDWXUH



7LPH VHF

ačy

Note:

- 10•Ä½“† 150½200 - kž• 60½120sec; 1.Preheating:150~200 - , Time:60~120sec.
- 20•Q>“† 255 r5 - kž• 4 Ò 5 r0.5sec; 2.Peak Temp.:255 r5 - , Duration:5 r0.5sec.
- 30•D Nò i Ò 0 ,† 2½10 - /sec. 3. Cooling Speed: 2~10 - /sec.

ÂD /Cã p ¯ »] / Resistance to Soldering Heat Test Conditions

“† y 260 r5 - ž• y 10 r1 sec. Temp.:260 r5 - Time:10 r1 sec

G P á / Packaging SPEC.

2 & x / REEL

Package Type 7>û ~ E	Units ;>û H					Dimension ;>û p . (unit Åmm³)		
	Units/Reel /-	Reels/Inner Box -- /-	Units/Inner Box /-	Inner Boxes/Outer Box - /1ç	Units/Outer Box /1ç	Reel	Inner Box	Outer Boxç
SOD-323	3,000	10	30,000	6	180,000	s ×8 7	180×120×180	390×385×205

„Đ y f / Notices