

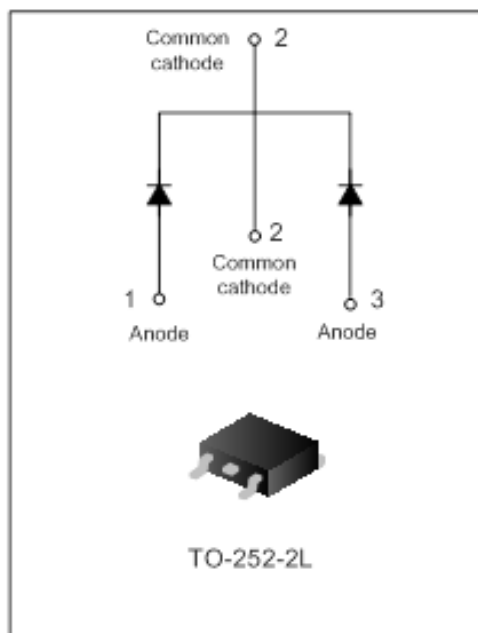
20A, 100V Schottky Rectifier

General Description

GGBD20C100D is a Schottky rectifier fabricated in a silicon epitaxial planar technology. Typical applications are switching power supplies and protection circuits, etc.

Features

- Guard ring for Stress Protection
- High Surge Capacity
- Low power loss , high efficiency
- Low forward voltage drop



Ordering Information

Part No.	Package	Marking	Material	Packing
GGBD20C100D	TO-252-2L	GGBD20C100D	Halogen free	Tube
GGBD20C100DTR	TO-252-2L	GGBD20C100D	Halogen free	Tube & Reel

Absolute Maximum Ratings (T_c=25°C Unless Otherwise Noted)

Characteristics	Symbol	Value	Unit
Maximum Repetitive Peak Reverse Voltage	V _{RRM}	100	V
Average Forward Rectified Current	I _{FAV}	20	A
Peak Forward Surge Current@8.3ms	I _{FSM}	150	A
Operation Junction Temperature	T _J	150	°C
Storage Temperature Range	T _{STG}	-40~150	°C

Thermal Characteristics

Characteristics	Symbol	Value	Unit
Thermal Resistance, Junction-to-Case	R _{θJC}	2.0	°C/W

Electrical Characteristics

Characteristics	Symbol	Test conditions	Min.	Max.	Unit
Forward Voltage	V _F	I _F =10A (T _C =25°C)	--	0.85	V
		I _F =10A(T _C =125°C)	--	0.75	V
Reverse Current	I _R	V _R =100V(T _C =25°C)	--	50	μA
		V _R =100V(T _C =125°C)	--	25	mA

Typical Characteristics

Figure 1. Typical forward voltage

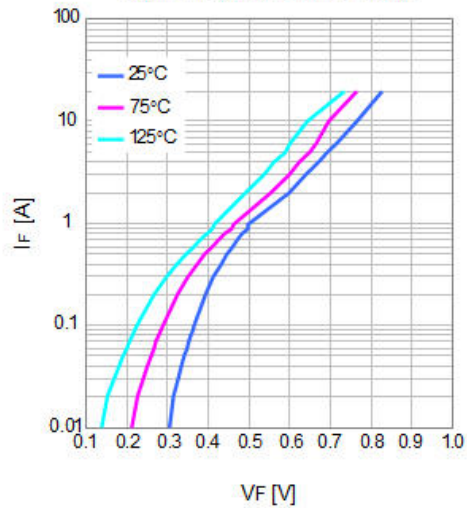


Figure 2. Typical reverse current

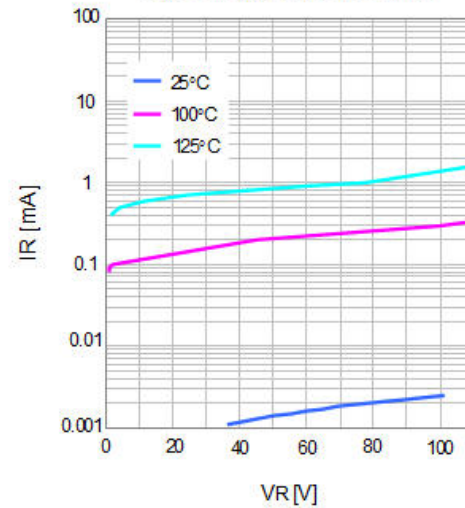


Figure 3. Typical capacitance

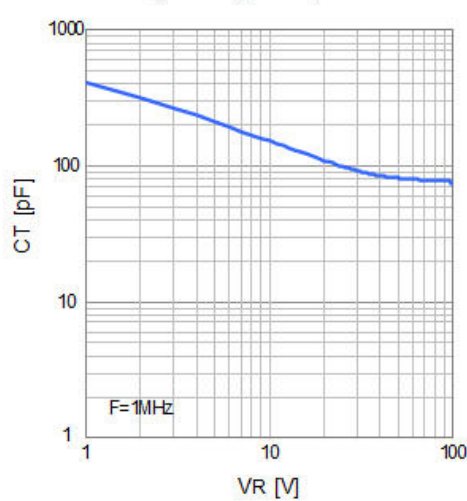
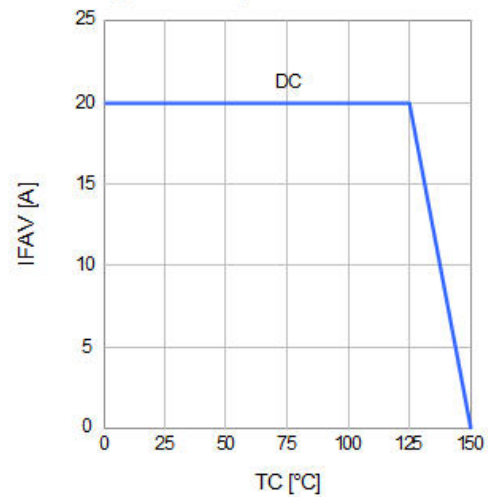
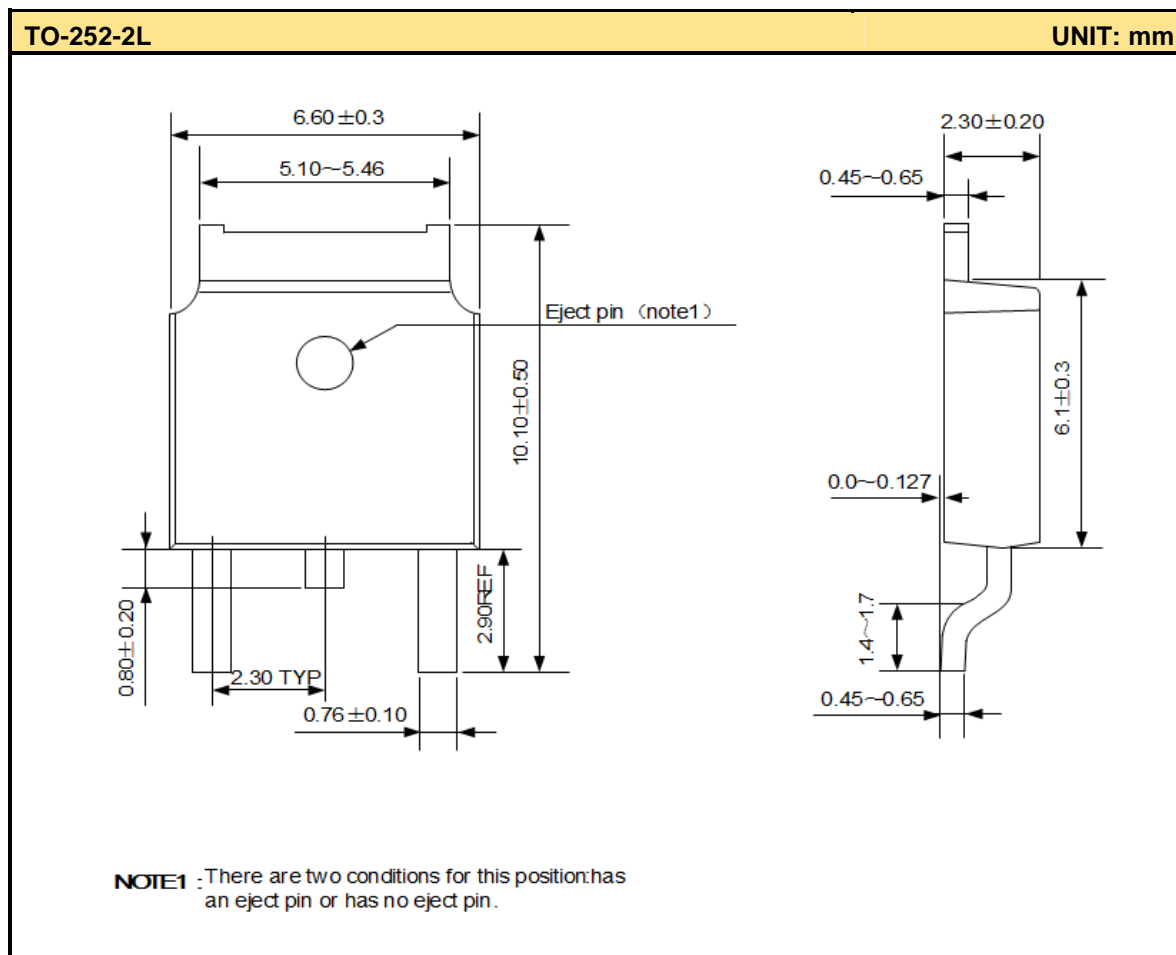


Figure 4. Average forward rectified current



Package Outline



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