

S2L60

Fast Recovery Diodes 600V, 1.5A

Feature

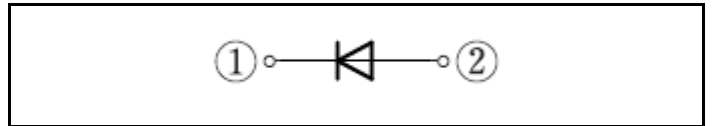
- High Voltage
- Low Noise
- Pb free terminal
- RoHS:Yes

OUTLINE

Package (House Name): AX10



Equivalent circuit



Absolute Maximum Ratings (unless otherwise specified : Tl=25°C)

Item	Symbol	Conditions	Ratings	Unit
Storage temperature	T _{stg}		-55 to 150	°C
Junction temperature	T _j		150	°C
Repetitive peak reverse voltage	V _{RRM}		600	V
Average forward current	I _{F(AV)}	50Hz sine wave, Resistance load, Tl=125°C	1.5	A
Average forward current	I _{F(AV)}	50Hz sine wave, Resistance load, Ta=25°C	1.2	A
Surge forward current	I _{FSM}	50Hz sine wave, Non-repetitive 1 cycle, Peak value, Tj=25°C	50	A

* :See the original Specifications

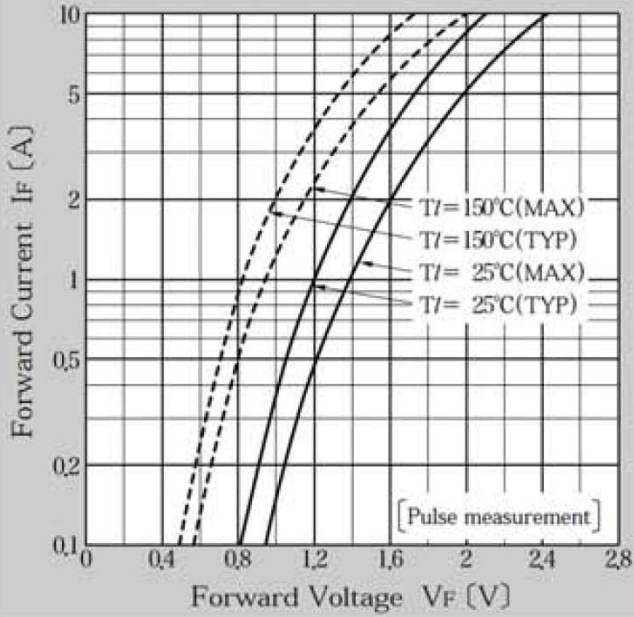
Electrical Characteristics (unless otherwise specified : Tl=25°C)

Item	Symbol	Conditions	Ratings			Unit
			MIN	TYP	MAX	
Forward voltage	V _F	I _F =1.5A, Pulse measurement			1.5	V
Reverse current	I _R	V _R =600V, Pulse measurement			10	μA
Reverse recovery time	t _{rr}	I _F =0.5A, I _R =1A			50	ns
Thermal resistance	R _{th(j-l)}	Junction to lead			12	°C/W
Thermal resistance	R _{th(j-a)}	Junction to ambient			83	°C/W

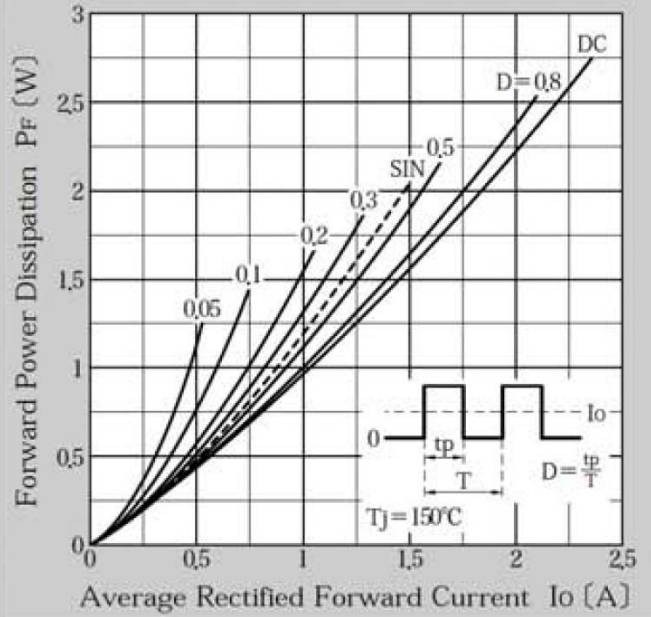
* :See the original Specifications

CHARACTERISTIC DIAGRAMS

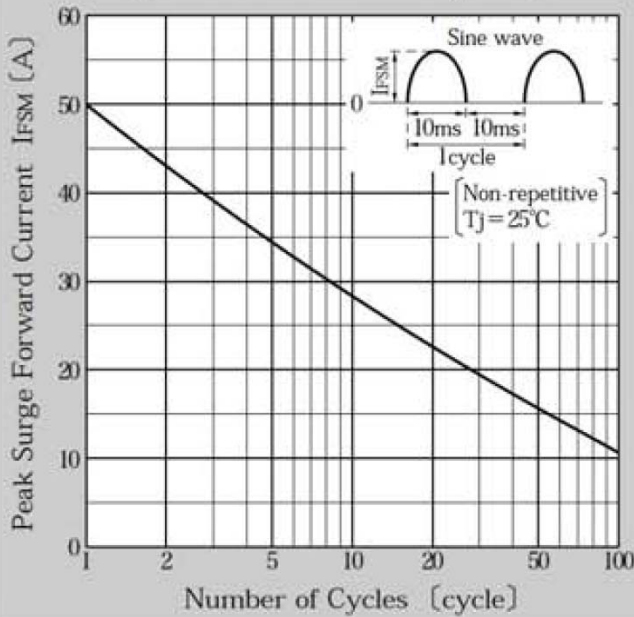
Forward Voltage



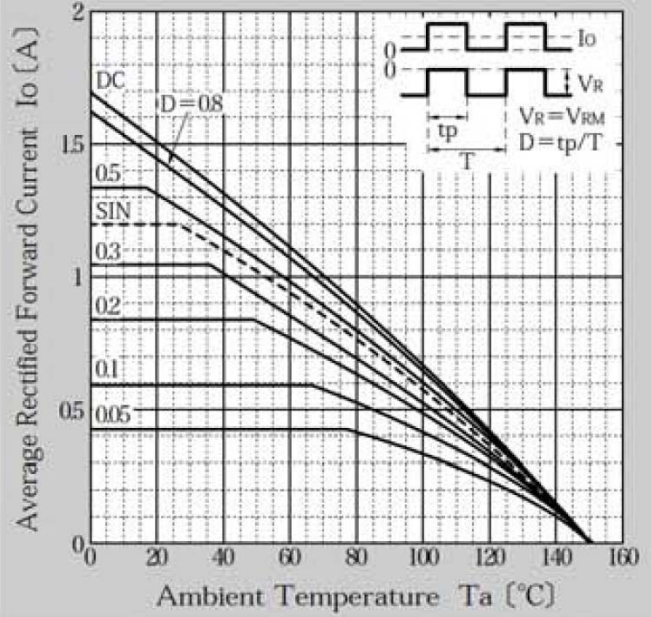
Forward Power Dissipation

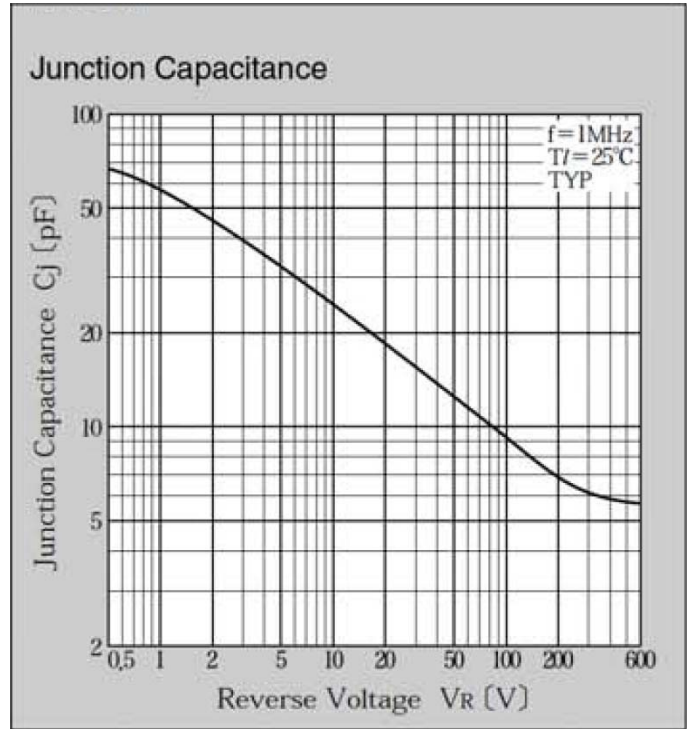
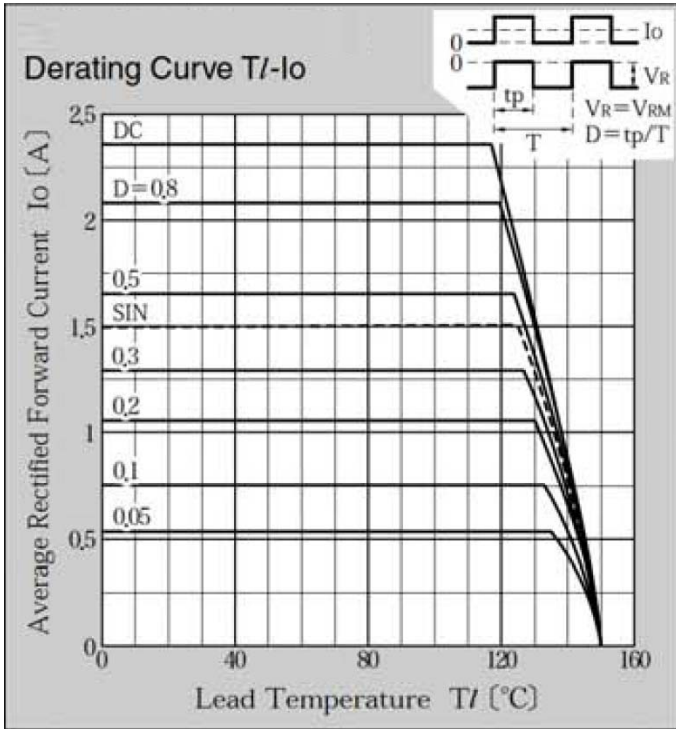


Peak Surge Forward Current Capability



Derating Curve T_a - I_o





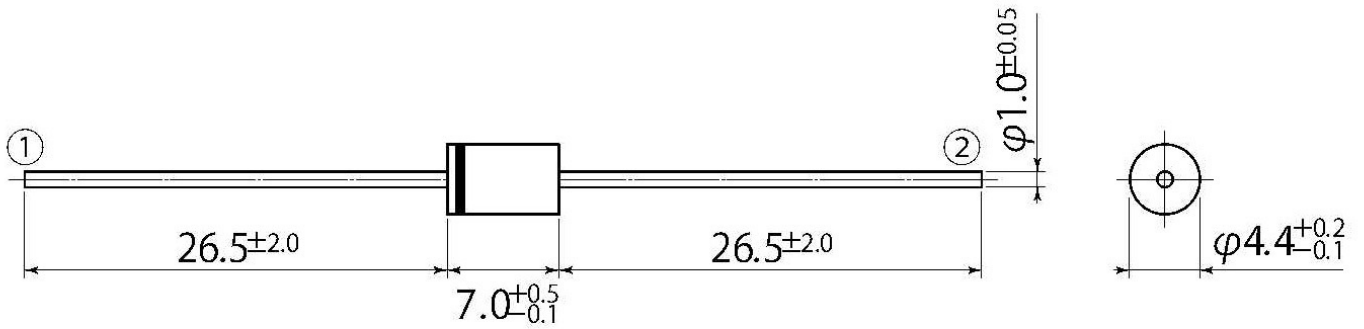
Outline Dimensions

unit:mm

scale: 2/1

A5

JEDEC Code	—
JEITA Code	—
House Name	AX10



Notes

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