

GOOD-ARK Electronics

2A,70-100V Schottky Barrier Rectifiers

Features

- Low leakage current
- Schottky barrier diodes
- Low forward voltage drop
- Moisture sensitivity: level 1, per J-STD-020
- Halogen-free according to IEC 61249-2-21 definition
- High temperature soldering guaranteed: 260°C/10 seconds
- AEC-Q101 qualified



Applications

For use in low voltage, high frequency inverters, free-wheeling and polarity protection application.

Maximum Ratings & Electrical Characteristics(TA=25°C unless otherwise noted)						
Parameter	Symbol	ASK27	ASK28	ASK29	ASK2B	Unit
Maximum repetitive peak reverse voltage	Vrrm	70	80	90	100	V
Maximum RMS voltage	V _{RMS}	49	56	63	70	V
Maximum DC blocking voltage	V _{DC}	70	80	90	100	V
Maximum average forward rectified current	IF(AV)	2			А	
Peak forward surge current,8.3ms single half sine- wave superimposed on rated load per diode	Ifsm	50			A	
Operating junction temperature range	TJ	-55 to +150			°C	
Storage temperature range	Тѕтс	-55 to +150			°C	

Thermal-Mechanical Specifications (TA=25°C unless otherwise noted)				
Parameter	Symbol	Тур	Unit	
Thermal Resistance, Junction to Ambient	R _{0JA}	85	°C /W	
Thermal Resistance, Junction to Case	Rejc	15	°C /W	
Thermal Resistance, Junction to Lead	R _{θJL}	20	°C /W	



Electrical Specifications (TA=25°C unless otherwise noted)							
Parameter	Symbol	Test Conditions	ASK27	ASK28	ASK29	ASK2B	Unit
Forward Drop Voltage	VF	I⊧=2A	0.79			V	
Reverse leakage I _R current @V _R		TJ =25℃	30				uA
	IR	T」=125℃	2000				
Typical junction capacitance	CJ	4.0 V 1 MHZ	200			pF	

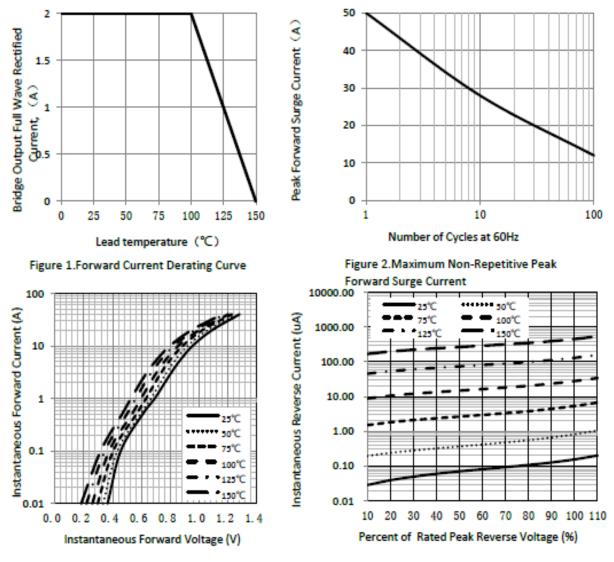
Note:

1. Mounted on copper pad area of 0.2x0.2" (5.0 x 5.0mm) to each terminal.

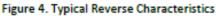


Ratings and Characteristics Curves

(TA = 25°C unless otherwise noted)



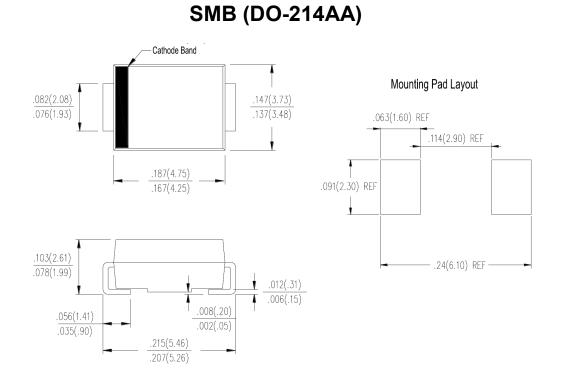






Package Outline Dimensions

in inches (millimeters)



Revision History

Document Version	Date of release	Description of changes
Rev.A	2021.06.01	Released Datasheet
Rev.B	2023.10.24	Modify document format



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