YJ Planar Schottky Barrier Diode Die Specification

60V 1A, 32mil, Schottky barrier diode die based on silicon planar process
Part No.: PSB032M060SS-280A

Main Products Characterstics

Maximum Ratings

Parameter	Symbol	Rating
Repetitive peak reverse voltage	V_{RRM}	60 V
Average forward current	$I_{F(AV)}$	1 A
(tp = 8.3 ms, halfwave, 1 cycle)	I_{FSM}	30 A
Storage temperature range	T_{stg}	-50 to +150 °C
Maximum operating junction temperature	T_j	150 °C

Static Electrical Characteristics (Ta = 25°C)

Parameter	Symbol	Value	
		Spec	Typical
Reverse breakdown voltage I_R = 1mA	V_{BR}	65V	72V
Maximum forward voltage drop I_F = 1 A	V_F	0.65V	0.60V
Maximum reverse current $V_R = V_{RRM}$ ≤ 2%	I_R	50uA	5uA

Device Schematics and Outline Drawing

Die Thickness *	11 Mils
Die Size **	32.7 Mils
Top Metal Pad	28.7 Mils
Active Area	24.8 Mils
Top Metal	Ag
Back Metal	Ag

Note: 1 * : Also can offer device with 8 mils thickness
2 **: Cutting street width is around 1.5 mils

Important Notice

Specification apply to die only. Actual performance may degrade when assembled.

does not guarantee device performance after assembly.
All operating parameters must be validated for each customer application by customer's technical experts.

Data sheet information is subjected to change without notice.

Recommended Storage Environment:

Store in original container, in dessicated nitrogen, with no contamination.

Shelf life for parts stored in above condition is 2 years.

If the storage is done in normal atmosphere shelf life is reduced to 6 months.

0514-80982389
0514-80980189

Rev.O 2021/07/28