

YJ Planar Schottky Barrier Diode Die Specification

60V 2A, 45mil, Schottky barrier diode die based on silicon planar process

Part No.: PSB045S060SS-280A

Main Products Characteristics

‡ \$YHUDJH IRUZDUG FXUUHQW ,) \$9 \$
 ‡ 0D[LPXP RSHUDWLQJ MXQFWLRQ WHPHUDWXUH 7M f &
 ‡ (6' UDWLQJ !.9 SHU ,(& &RQWDFW 'LVFKDUJH
 ‡ 7RS PHWDO \$J

Maximum Ratings

Parameter	Symbol	Rating
Repetitive peak reverse voltage	V_{RRM}	60 V
Average forward current	$I_{F(AV)}$	2 A
1 R Q í U H S H W L W L Y H S I (tp = 8.3 ms, halfwave, 1 cycle)	I_{FSM}	50 A
Storage temperature range	T_{stg}	-50 to +175 °C
Maximum operating junction temperature	T_j	175 °C

Static Electrical Characteristics (Ta = 25°C)

Parameter	Symbol	Value	
		Spec	Typical
Reverse breakdown voltage $I_R = 1mA$	V_{BR}	65 V	72V
$I_F = 2 A$ 3 X O V H 7 H V W W S 2%	V_F		
Maximum reverse current $V_R = V_{RRM}$ 3 X O V H 7 H V W W S 2%	I_R	10uA	2uA

Device Schematics and Outline Drawing

Die Thickness *	
Die Size **	45 Mils
Top Metal Pad	40 Mils
Active Area	36 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