



## JSPX1100A

### 1A Schottky Barrier Rectifier

Rev.1.2

#### DESCRIPTION

- Plastic package has underwriters laboratories flammability classification 94V-0
- For surface mounted applications in order to optimize board space
- Lead free in compliance with EU RoHS 2011/65/EU directive
- Ultra low forward voltage drop
- Low power losses, high efficiency operation
- High current capability and surge capability
- Low thermal resistance package

#### MECHANICAL DATA

- Case: SMA molded p01htic
- Terminals: Solder p01ted, solderable per J-STD-002
- Polarity: Color band denotes cathode end

#### ABSOLUTE MAXIMUM RATING (Rating at 25 ambient temperature unless otherwise specified.)

Parameter	Symbol	JSPX1100A	Unit
Maximum repetitive peak reverse voltage	$V_{RRM}$	100	V
Maximum RMS voltage	$V_{RMS}$	70	V
Maximum DC blocking voltage	$V_{DC}$	100	V
Maximum average forward current	$I_{F(AV)}$	1.0	A
Peak forward surge current: 8.3ms single half sine-wave superimposed on rated load	$I_{FSM}$	30	A
Operating junction temperature range	$T_j$	-55 to +150	
Storage temperature range	$T_{stg}$	-55 to +150	

#### ELECTRICAL CHARACTERISTICS (Rating at 25 ambient temperature unless otherwise specified.)

Parameter	Symbol	Min	Typ	Max	Unit
Forward voltage	$I_F=1A$ $V_F$			0.85	V
Reverse current at rated DC blocking voltage	$T_A=25$ $I_R$			0.1	mA
	$T_A=100$			5	
Junction capacitance	$V_R$				



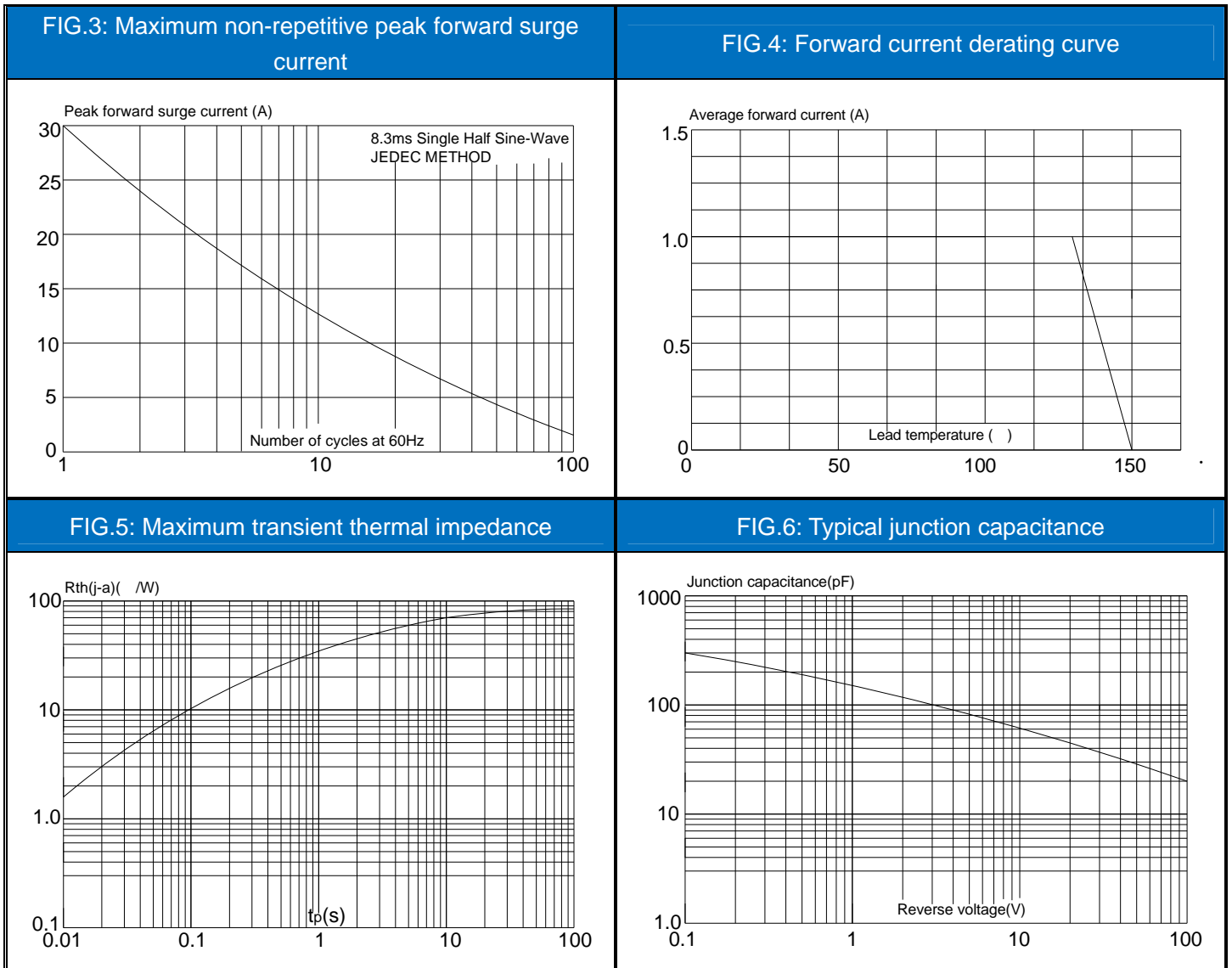


TAPE AND REEL SPECIFICATION-SMA





### CHARACTERISTICS CURVE



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