



MECHANICAL DATA

- ✧ Case: SMA molded plastic
- ✧ Terminals: Solder plated, solderable per J-STD-002
- ✧ Polarity: Color band denotes cathode end

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

Parameter	Symbol	JSPX3200A	Unit
Maximum repetitive peak reverse voltage	V_{RRM}	200	V
Maximum RMS voltage	V_{RMS}	140	V
Maximum DC blocking voltage	V_{DC}	200	V
Maximum average forward current	$I_{F(AV)}$	3.0	A
Peak forward surge current: 8.3ms single half sine-wave superimposed on rated load	I_{FSM}	80	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	$I_F=3A$ V_F			0.9	V
Reverse current at rated DC blocking voltage	$T_A=25$ I_R			0.1	mA
	$T_A=100$			8	
Junction capacitance	$V_R=4.0V, f=1MHz$ C_J		90		pF



THERMAL RESISTANCES

Symbol	Parameter	JSPX3200A	Unit
$R_{th(j-a)}$	Thermal resistance from junction to ambient	70	/W

