



JSPK20200ACT-CO

20A Schottky Barrier Rectifier

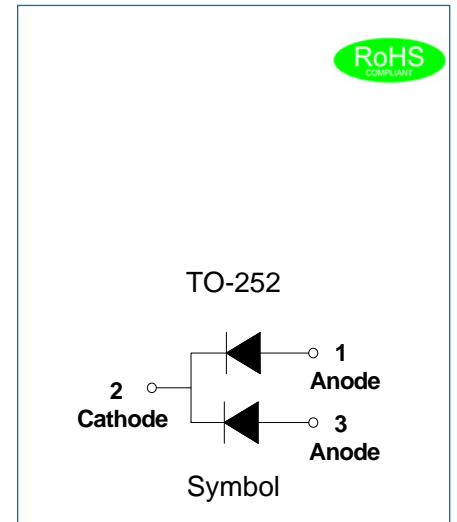
Rev.0.1

DESCRIPTION

- ✧ Plastic package has underwriters laboratories flammability classification 94V-0
- ✧ Lead free in compliance with EU RoHS 2011/65/EU directive
- ✧ Low forward voltage drop
- ✧ Low power losses, high efficiency operation
- ✧ High current capability and surge capability

MECHANICAL DATA

- ✧ Case: TO-252 molded plastic
- ✧ Terminals: Solder plated, solderable per J-STD-002



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

Average forward current	$I_{F(AV)}$	20	A
Peak forward surge current (single pulse)	I_{FSM}	150	A
Operating junction temperature range	T_j	-55 to +150	°C
Storage temperature range	T_{stg}	-55 to +150	°C

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

Parameter	Symbol	Min	Typ	Max	Unit
Forward voltage	V_F			0.95	V
Reverse current	I_R			0.1	mA
				20	
Junction capacitance	C_J		300		pF

THERMAL RESISTANCES

Symbol	Parameter	JSPK20200ACT-CO	Unit
$R_{th(j-c)}$	Thermal resistance from junction to case	6.0	/W



MARKING

PACKAGE MECHANICAL DATA

