

JIEJIE MICROELECTRONICS CO., Ltd

JSPF20150ACT

20A Schottky Barrier Rectifier

Rev.3.4

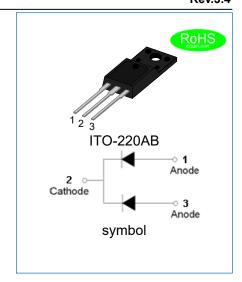
DESCRIPTION

- 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: ITO-220AB molded plastic

→ Terminals: Solder plated, solderable per J-STD-002



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

Parameter	Symbol	JSPF20150ACT	Unit
Maximum repetitive peak reverse voltage	V _{RRM}	150	V
Maximum RMS voltage	V _{RMS}	105	V
Maximum DC blocking voltage	V _{DC}	150	V
Maximum average forward current	I _{F(AV)}	20	Α
Peak forward surge current: 8.3ms single half sine-wave superimposed on rated load	I _{FSM}	150	А
Operating junction temperature range	Tj	-55 to +150	$^{\circ}\!\mathbb{C}$
Storage temperature range	T _{stg}	-55 to +150	$^{\circ}$

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

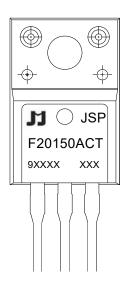
Parameter			Min	Тур	Max	Unit		
Forward voltage	I _F =10A	VF			0.95	V		
Reverse current at rated DC	T _A =25℃				0.1			
blocking voltage	T _A =100°C	IR	IR	IR			20	mA
Junction capacitance V _R =4.0V, f=1MHz		Сл		300		рF		



THERMAL RESISTANCES

Symbol	Parameter	JSPF20150ACT	Unit
R _{th(j-c)}	Thermal resistance from junction to case	3.0	°C/W

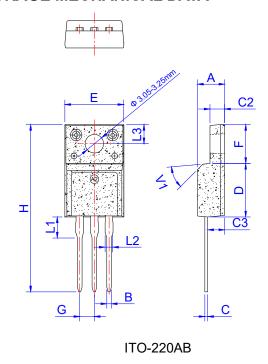
MARKING



JS	Schottky Barrier Rectifier			
Р	Planar technology			
F	Package: ITO-220AB			
20	I _{F(AV)} =20A			
150	V _{RRM} :150V			
Α	Version			
СТ	Common cathode			

9	Year code(8:2018,9:2019,)			
XX	Week code			
XX	Chip code			
XXX	Package lot number			

PACKAGE MECHANICAL DATA



	Dimensions					
Ref.	Millimeters		Inches			
	Min.	Тур.	Max.	Min.	Тур.	Max.
Α	4.50		4.90	0.177		0.193
В	0.74	0.80	0.83	0.029	0.031	0.033
С	0.47		0.65	0.019		0.026
C2	2.45		2.75	0.096		0.108
С3	2.60		3.00	0.102		0.118
D	8.80		9.30	0.346		0.366
Е	9.80		10.4	0.386		0.410
F	6.40		6.80	0.252		0.268
G	2.40		2.70	0.094		0.106
Н	28.0		29.8	1.102		1.173
L1		3.63			0.143	
L2	1.14		1.70	0.045		0.067
L3		3.30			0.130	
V1		45°			45°	



PACKAGE INFORMATION-ITO-220AB

OUTLINE	UNIT WEIGHT (g/PCS) typ.	TUBE (PCS)	PER CARTON (PCS)	
TUBE	2.10	50	5,000	

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