



JSPE1060ACT-CO

10A Schottky Barrier Rectifier

Rev.0.1

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
- ✧ Low forward voltage drop
- ✧ Low power losses, high efficiency operation
- ✧ High current capability and surge capability

MECHANICAL DATA

- ✧ Case: TO-263 molded plastic
- ✧ Terminals: Solder plated, solderable per J-STD-002

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

Parameter	Symbol	JSPE1060ACT-CO	Unit
Maximum repetitive peak reverse voltage	V _{RRM}	60	V
Maximum RMS voltage	V _{RMS}	42	V
Maximum DC blocking voltage	V _{DC}	60	V
Average forward current	I _{F(AV)}	10	A
Peak forward surge current: 8.3ms single half sine-wave superimposed on rated load	I _{FSM}	100	A
Operating junction temperature range	T _j	-55 to +125	
Storage temperature range	T _{stg}	-55 to +150	

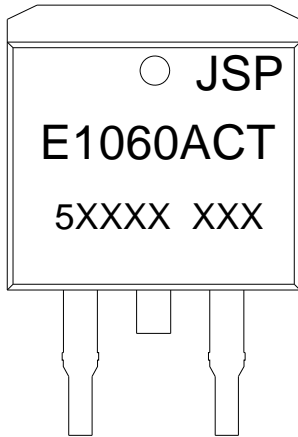
ELECTRICAL CHARACTERISTICS (Rating at 25 ambient temperature unless otherwise specified.)

Parameter	Symbol	Min	Typ	Max	Unit
Forward voltage I _F =5A	V _F	-	-	0.8	V
Reverse current V _R =60V, T _A =25 V _R =60V, T _{AA} 10	I _R	-	-	0.1	mA

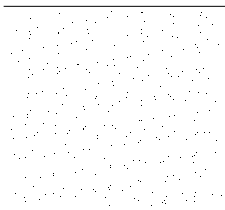
Symbol



MARKING

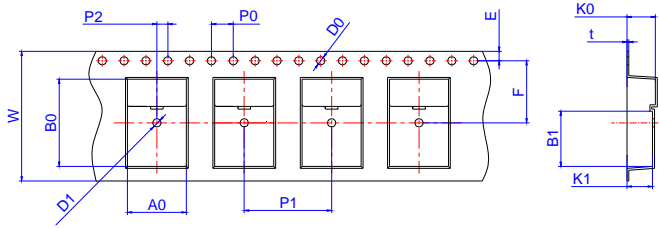


PACKAGE MECHANICAL DATA





TAPE AND REEL SPECIFICATION-TO-263



Ref.	Dimensions	
	Millimeters	Inches
W	24.00±0.30	0.945±0.012
E	1.75±0.10	0.069±0.004
F	11.50±0.10	0.453±0.004
D0	1.50±0.10	0.059±0.004
D1	1.50±0.10	0.059±0.004
P0	4.00±0.10	0.157±0.004
10P0	40.00±0.20	1.575±0.008
P1	16.00±0.10	0.630±0.004
P2	2.00±0.10	0.079±0.004
A0	10.80±0.10	0.425±0.004
B0	16.13±0.10	0.635±0.004
B1	10.24±0.20	0.403±0.004
K0	5.21±0.10	0.205±0.004
K1	4.70±0.10	0.185±0.004
t	0.35±0.05	0.014±0.002

