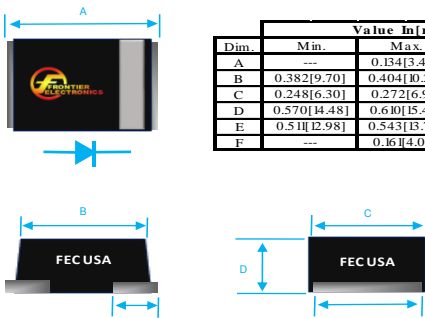


100MA ADVANCED SCHOTTKY BARRIER DIODE



Dim.	Value In[mm]		Typ.
	Min.	Max.	
A	---	0.134[3.40]	---
B	0.382[9.70]	0.404[10.26]	---
C	0.248[6.30]	0.272[6.91]	---
D	0.570[14.48]	0.610[15.49]	---
E	0.511[12.98]	0.543[13.79]	---
F	---	0.161[4.09]	---

PRODUCT FEATURES

1. FLAMMABILITY CLASSIFICATION: 94V-0
2. EXTREMELY LOW VF
3. LOW STORED CHARGE
4. MAJORITY CARRIER CONDUCTION
5. EXTREMELY THIN PACKAGE
6. CASE:SOD-323
7. DIMENSIONS IN INCHES AND (MILLIMETERS)
8. POLARITY: INDICATED BY CATHODE BAND
9. WEIGHT: 0.0045 GRAMS
10. MIL-STD 750 METHOD 2026
11. ROHS

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS RATINGS AT 25°C AMBIENT TEMPERATURE UNLESS OTHERWISE SPECIFIED STORAGE AND OPERATING TEMPERATURE RANGE -55°C TO + 150°C. SINGLE PHASE, HALF WAVE, 60 HZ, RESISTIVE OR INDUCTIVE LOAD. FOR CAPACITIVE LOAD, DERATE CURRENT BY 20%

RATINGS	SYMBOL	VALUE	UNITS
MAXIMUM AVERAGE FORWARD RECTIFIED CURRENT 0.375"(9.5mm) LEAD LENGTH (SEE FIG.1)	IO	0.1	A
PEAK FWD SURGE CURRENT, 8.3ms HALF SINE-WAVE SUPERIMPOSED ON RATED LOAD	IFSM	1	A
TYPICAL JUNCTION CAPACITANCE (NOTE 1)	CJ	20	pF
MAXIMUM FORWARD VOLTAGE	VF	0.55	V
MAXIMUM DC REVERSE CURRENT AT VR=30V	IR	30	uA

1. MEASURED AT 1.0 MHZ AND APPLIED REVERSE VOLTAGE OF 10.0 V
2. MAXIMUM FORWARD VOLTAGE AT IF=100mA

PART NUMBER	BREAK DOWN VOLTAGE BV (V)	CONTINUOUS REVERSE VOLTAGE VR (V)	MARKING
ASD501V	45	40	3

RATING AND CHARACTERISTIC CURVES

