

FB320LA thru 340LA

SURFACE MOUNT SCHOTTKY BARRIER RECTIFIER

REVERSE VOLTAGE – 20 to 40 Volts FORWARD CURRENT – 3.0 Ampere

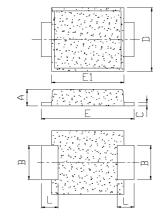
FEATURES

- Very low profile package 0.98mm
- · High efficiency
- · Low forward voltage drop, low power loss
- Qualified according to AEC-Q101 Rev_C
- For use in low voltage, high frequency inverters, free wheeling, dc-to-dc converters and polarity protection applications

MECHANICAL DATA

- Case: JEDEC DO-221AC
- Case Material: "Green" molding compound, UL flammability classification 94V-0
- Moisture Sensitivity: Level 1 per J-STD-020C
- Terminals: Lead Free Plating (Matte Tin Finish.)
- Component in accordance to RoHs 2002/95/EC

SMA Flat



SMA Flat					
DIM.	MIN.	MAX.			
Α	0.90	1.10			
В	1.25	1.65			
С	0.15	0.40			
D	2.25	2.95			
Е	4.80	5.60			
E1	3.95	4.60			
L	0.75	1.50			
All dimension in millimeter					

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified.

PARAMETER	SYMBOL	FB320LA	FB330LA	FB340LA	UNIT
Device marking code	Note	B3D	B3E	B3G	
Maximum Repetitive Peak Reverse Voltage	VRRM	20	30	40	V
Maximum RMS Voltage	VRMS	14	21	28	V
Maximum DC Blocking Voltage	VDC	20	30	40	V
Average Rectified Output Current @TL=105°C,(Fig.1) I(AV)	3.0		А	
Peak Forward Surge Current 8.3ms single half sine-wave	IFSM	50			Α
Forward Voltage (1) IF=3.0A @Tj=25°C @Tj=100°C	VF	0.40 0.37			V
Leakage Current (1) VDC=Rated @Tj=25°C @Tj=100°C	IR	0.5 45		mA	
Typical junction capacitance (2)	CJ	370			pF
Operating junction temperature	TJ	-55 to +125			°C
Storage temperature range	Tstg	-55 to +150		°C	
THERMAL CHARACTERISTIC	SYMBOL	Typical		UNIT	
Typical thermal resistance_Junction to Case (3)	Rejc	25		°C/W	
Typical thermal resistance_Junction to Ambient(3)	R⊕JA	65			°C/W
Typical thermal resistance_Junction to Lead (3)	R⊕JL	17			°C/W
Note :			DEV -3 Son-2019 KSHD09		

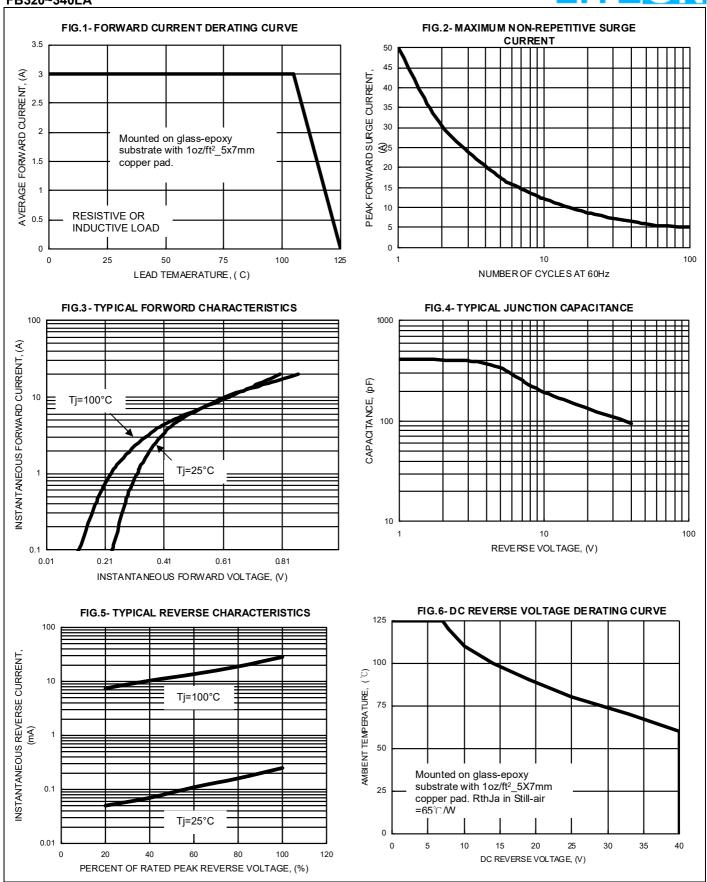
Note: REV. -3 ,Sep-2019, KSHP09

- (1) 300us Pulse width, 2% Duty cycle.
- (2) Measured at 1.0MHz and applied reverse voltage of 4.0V DC.
- (3) Thermal Resistance test performed in accordance with JESD-51. Unit mounted on glass-epoxy substrate with 1oz/ft²_7x5 mm copper pad.

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RATING AND CHARACTERISTIC CURVES FB320~340LA







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