

KSLDB340S

SLDBS

SCHOTTKY BARRIER RECTIFIER VOLTAGE 40 Volts CURRENT 3.0 Ampere

FEATURES

- * Good for automation insertion
- * Surge overload rating 60 amperes peak
- * Ideal for printed circuit board
- * Reliable low cost construction utilizing molded
- * Glass passivated device
- * Polarity symbols molded on body
- * Mounting position: Any
- * Weight: 0.33 gram

MECHANICAL DATA

- * Epoxy: Device has UL flammability classification 94V-O
- * Halogen-free

.009(0.220) .009(0.220) .007(0.180) .008 (0.092) .008 (0.092) .008 (0.092) .008 (0.092) .008 (0.092) .008 (0.092) .008 (0.092) .008 (0.092) .008 (0.092) .008 (0.092) .009 (0.100) .009 (0.092) .009 (0.

Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25 $^{\circ}\text{C}$ ambient temperature unless otherwise specified. resistive or inductive load.

MAXIMUM RATINGS (At T_A = 25°C unless otherwise noted)

RATINGS		KSLDB340S	UNITS	
Maximum Recurrent Peak Reverse Voltage		40	Volts	
Maximum RMS Bridge Input Voltage	V _{RMS}	28	Volts	
Maximum DC Blocking Voltage	V _{DC}	40	Volts	
Maximum Average Forward Output Current at T _A = 75°C	I ₀	3.0	Amps	
Peak Forward Surge Current 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)	I _{FSM}	60	Amps	
Typical Current Squared Time	l ² t	14.9	A ² S	
Turical Thornal Decistores (Note 1)	RθJA	75	- °C/W	
Typical Thermal Resistance (Note 1)	Røjl	17	0/00	
Operating and Storage Temperature Range	TJ,TSTG	-55 to + 150	°C	

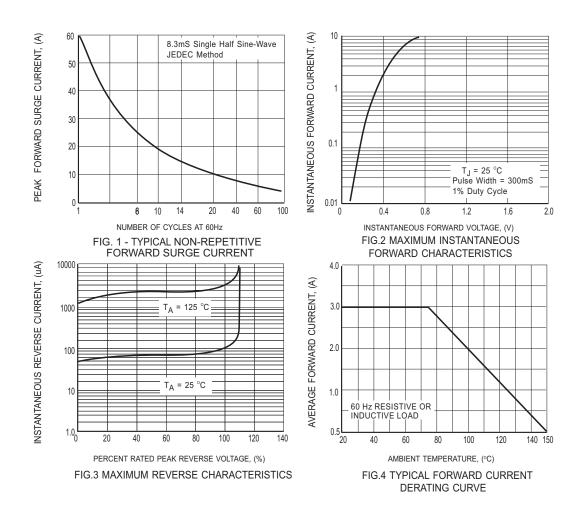
ELECTRICAL CHARACTERISTICS (At T_A = 25°C unless otherwise noted)

CHARACTERISTICS		SYMBOL	KSLDB340S		
Maximum Forward Voltage Drop per Bridge		VE	0.55		
Element at 3.0ADC		٧F			
Maximum Reverse Current at Rated	@T _A = 25°C	lo.	100	uAmps	
DC Blocking Voltage per element	@T _A = 125°C	IR IR	5.0	mAmps	

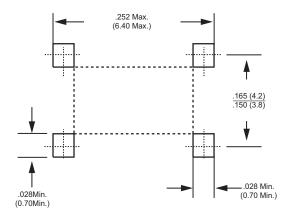
Note: 1.Thermal Resistance: Mounted on PCB.

2018-09 REV:B

RATING AND CHARACTERISTICS CURVES (KSLDB340S)



Mounting Pad Layout



Dimensions in inches and (millimeters)



REEL TAPING SPECIFICATIONS FOR SURFACE MOUNT DEVICES-SLDBS

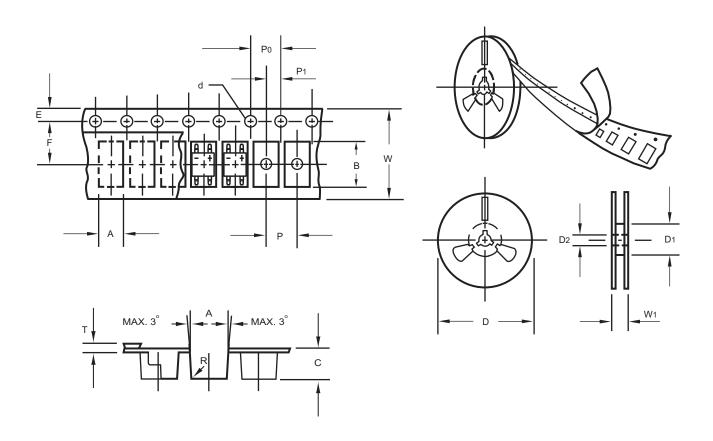
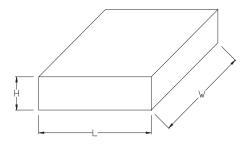


Fig.: Configuration of SLDBS TAPING

ITEM	SYMBOL	SLDBS mm(inch)		
Carrier width	А	6.0 ± 0.1 (0.236 ± 0.004)		
Carrier length	В	8.30 ± 0.1 (0.327 ± 0.004)		
Carrier depth	С	2.5 ± 0.1 (0.098 ± 0.004)		
Sprocket hole	d	1.5 ± 0.1 (0.059 ± 0.004)		
Reel outside diameter	D	330 ± 2.0 (13.0 ± 0.079)		
Reel inner diameter	D1	50 Min.		
Feed hole diameter	D2	13 ± 0.5 (0.512 ± 0.020)		
Strocket hole position	Е	1.5 ± 0.1 (0.059 ± 0.004)		
Punch hole position	F	$7.65 \pm 0.05 \ (0.301 \pm 0.002)$		
Punch hole pitch	Р	8.0 ± 0.1 (0.315 ± 0.004)		
Sprocket hole pitch	P0	4.0 ± 0.1 (0.157 ± 0.004)		
Embossment center	P1	4.0 ± 0.1 (0.157 ± 0.004)		
Totall tape thickness	T 0.6 Max.			
Tape width	W	16.0 ± 0.2 (0.630 ± 0.008)		
Reel width	W1	24.0 ± 2.0 (0.945 ± 0.079)		

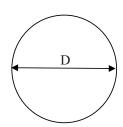
Note: 1.Devices are packed in accordance with EIA standard RS-481-A and specification given above. 2.13 inch (5000 ct.) diameter reels.

1. BOX



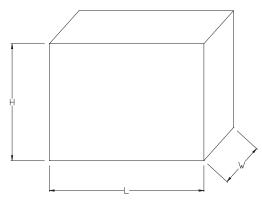
Packing	L	W	Н
Code	(mm)	(mm)	(mm)
-T	340	340	40

2. REEL



Packing	D		
Code	(mm)		
-T	330		

3. CARTON



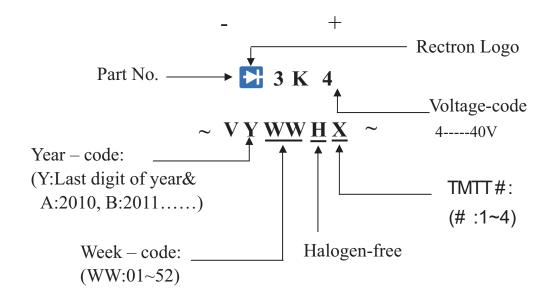
Packing	L	W	Н
Code	(mm)	(mm)	(mm)
-T	355	360	360

PACKAGING OF DIODE AND BRIDGE RECTIFIERS

REEL PACK

PACKAGI	PACKING	EA PER REEL	EA PER INNER BOX	COMPONENT SPACE (mm)	TAPE SPACE (mm)	REEL DIA (mm)	CARTON SIZE (mm)	EA PER CARTON	GROSS WEIGHT(Kg)
SLDBS	-Т	5,000	10,000			330	360*355*360	80,000	16.18

Marking Description





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