



1N5347BS~1N5369BS

SILICON ZENER DIODES

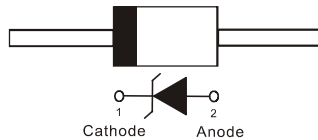
VOLTAGE	10~51 Volt	POWER	5 Watt
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FEATURES

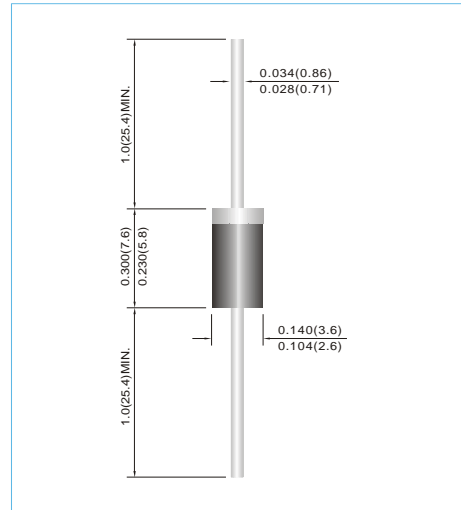
- Low inductance
- Plastic package has Underwriters Laboratory Flammability Classification 94V-O
- Lead free in compliance with EU RoHS 2011/65/EU directive

MECHANICAL DATA

- Case: JEDEC DO-15, Molded plastic over passivated junction
- Terminals: Solder plated, solderable per MIL-STD-750, Method 2026
- Polarity: Color band denotes cathode end
- Weight: 0.014 ounce, 0.0397 gram
- Marking: Part number



DO-15 Unit : inch(mm)



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified.

Parameter	Symbol	Value	Unit
Power Dissipation (NOTE 1)	P_D	5	W
Operating Junction and Storage Temperature Range	T_J, T_{STG}	-55 to +150	°C

NOTE :

1. The testing condition of the thermal resistance (junction to ambient and junction to lead) is based on 0 mm lead length between two 10cm x 10cm copper pad

Part Number	Nominal Zener Voltage			Maximum Zener Impedance				Maximum Leakage Current	
	$V_Z @ I_{ZT}$			$Z_{ZT} @ I_{ZT}$		$Z_{ZK} @ I_{ZK}$		I_R	V_R
	Nom. V	Min. V	Max. V	Ω	mA	Ω	mA	μA	V
1N5347BS	10	9.5	10.5	2	125	125	1	5	7.6
1N5353BS	16	15.2	16.8	2.5	75	75	1	1	12.2
1N5354BS	17	16.15	17.85	2.5	70	75	1	0.5	12.9
1N5369BS	51	48.45	53.55	27	25	230	1	0.5	38.8



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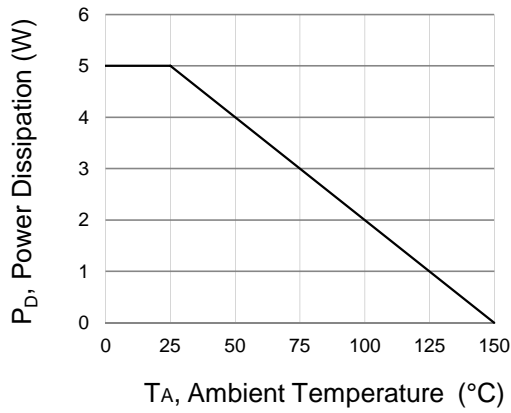


Fig.1 Steady-State Power Derating Curve

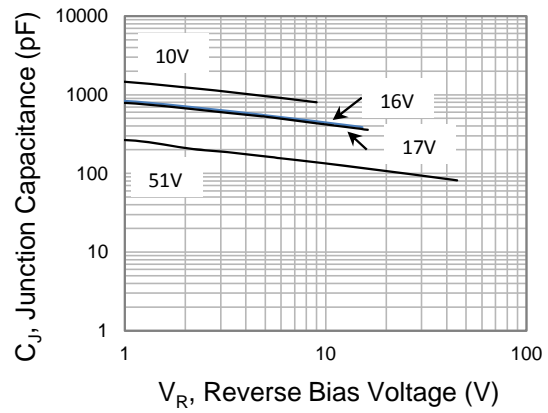


Fig.2 Typical Junction Capacitance

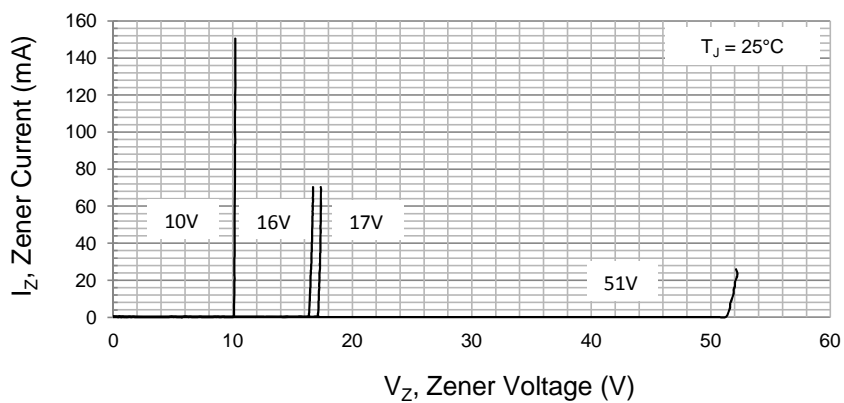


Fig.3 Typical Zener Characteristics

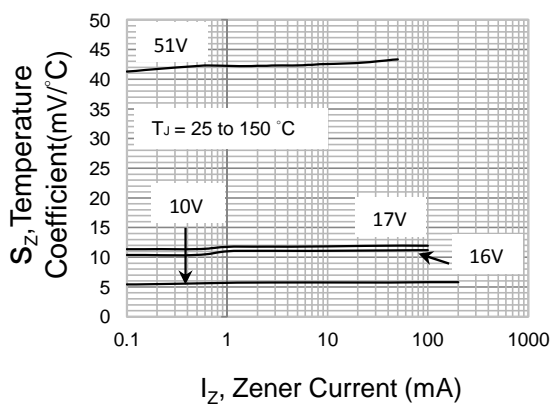


Fig.4 Temperature Coefficient As A Function Of Working Current; Typical Values



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Part No_packing code_Version

1N5347BS_AY_00001
 1N5347BS_AY_10001
 1N5347BS_B0_00001
 1N5347BS_B0_10001
 1N5347BS_R2_00001
 1N5347BS_R2_10001

For example :

RB500V-40_R2_00001



Packing Code XX				Version Code XXXXX		
Packing type	1 st Code	Packing size code	2 nd Code	HF or RoHS	1 st Code	2 nd ~5 th Code
Tape and Ammunition Box (T/B)	A	N/A	0	HF	0	serial number
Tape and Reel (T/R)	R	7"	1	RoHS	1	serial number
Bulk Packing (B/P)	B	13"	2			
Tube Packing (T/P)	T	26mm	X			
Tape and Reel (Right Oriented) (TRR)	S	52mm	Y			
Tape and Reel (Left Oriented) (TRL)	L	PANASERT T/B CATHODE UP (PBCU)	U			
FORMING	F	PANASERT T/B CATHODE DOWN (PBCD)	D			



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