

# ZS300-BL

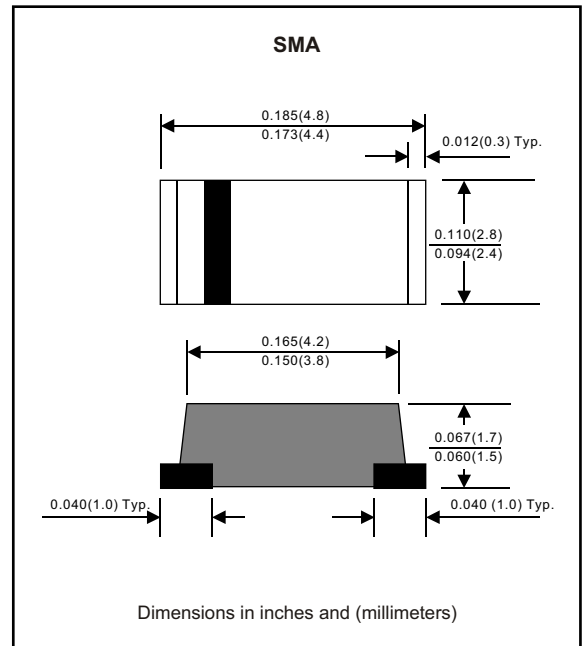
Zener diodes

## Features

- \* Plastic package has Underwriters Laboratory Flammability Classification 94V-O Utilizing Flame Retardant Epoxy Molding Compound.
- \* For surface mounted applications.
- \* Exceeds environmental standards of MIL-S-19500/228
- \* Low zener impedance
- \* Low profile package

## Mechanical data

Case : Molded plastic, JEDEC DO-214AC  
 Terminals: Solder plated, solderable per MIL-STD-750  
 Polarity : Indicated by cathode band  
 Mounting Position : Any  
 Weight : 0.0015 ounce, 0.05 gram



## MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified  
 Storage and operating temperature range -55 to + 150°C

Type	Zener Breakdown Voltage	Dynamic Impedances				Maximum Reverse Current @ Measurement Voltage		Maximum Forward Voltage @ $I_F = 0.2A$
	$V_Z$ V	$I_{ZT}$ mA	$Z_{ZT}$ ohms	$I_{ZK}$ mA	$Z_{ZK}$ ohms	$V_R$ V	$I_R$ uA	$V_F$ V
ZS300B	300	5	5000	0.25	9000	285	0.5	1.2

## RATING AND CHARACTERISTIC CURVES (Z300-BL)

FIG. 1 - MAXIMUM CONTINUOUS POWER DISSIPATION

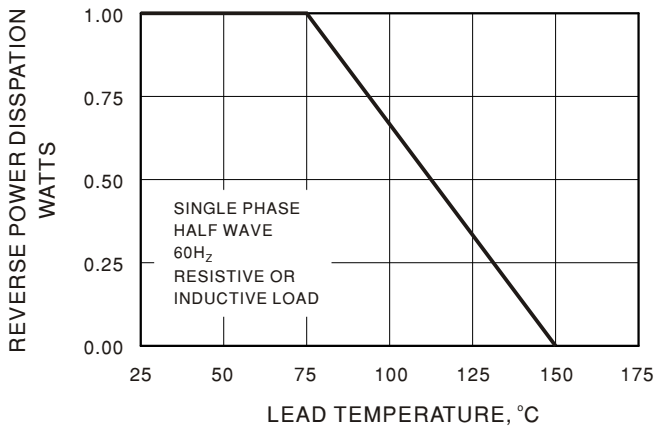


FIG. 2 - ZENER VOLTAGE VERSUS ZENER CURRENT

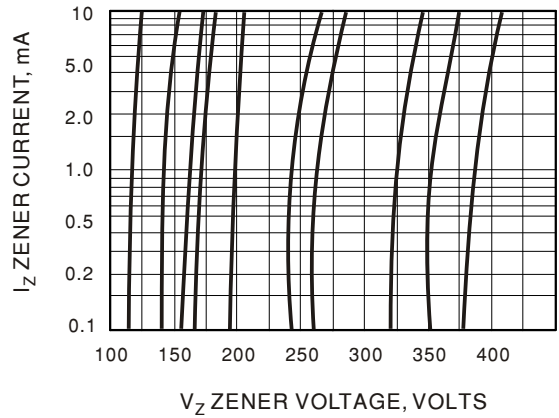


FIG. 3 - TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

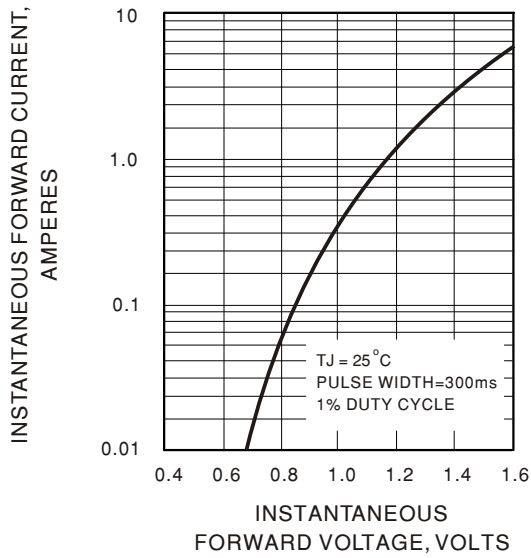


FIG. 4 - TYPICAL REVERSE CHARACTERISTICS

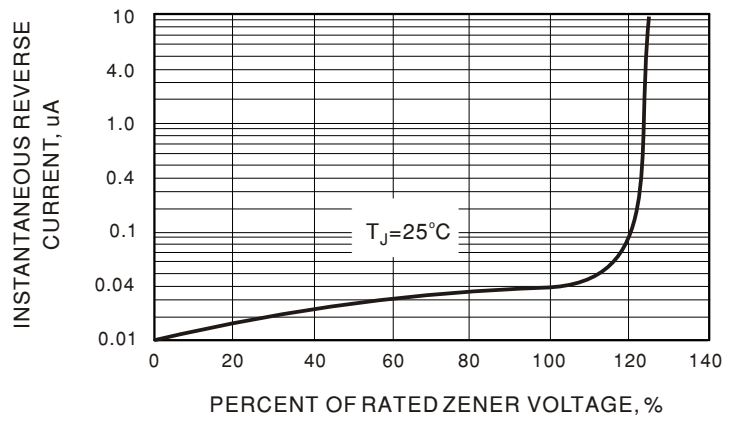


FIG. 5 - TYPICAL TEMPERATURE COEFFICIENTS

