

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

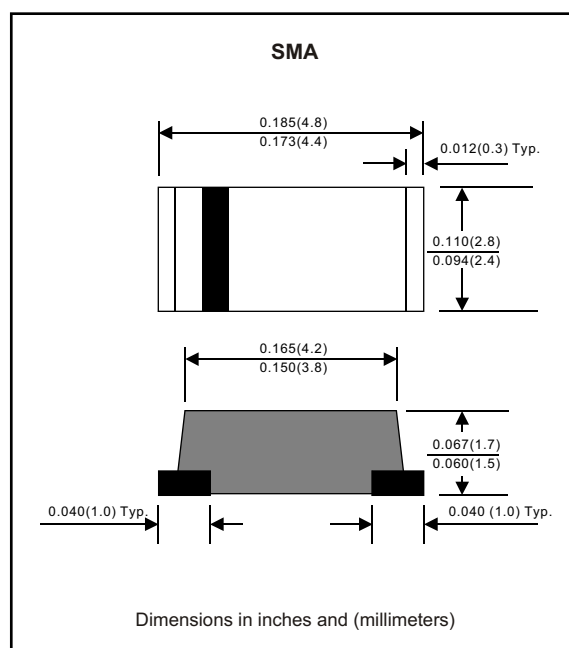
Case : Molded plastic, JEDEC DO-214AC

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	I_{ZT}	Z_{ZT}	I_{ZK}	Z_{ZK}	V_R	I_R	V_F
	V	mA	ohms	mA	ohms	V	uA	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

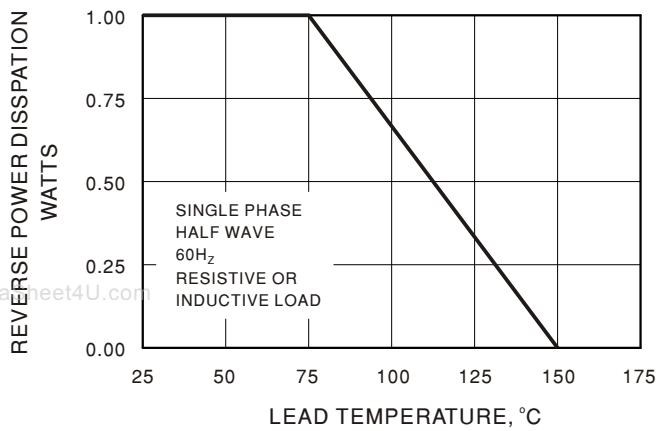


FIG. 2 - ZENER VOLTAGE VERSUS ZENER CURRENT

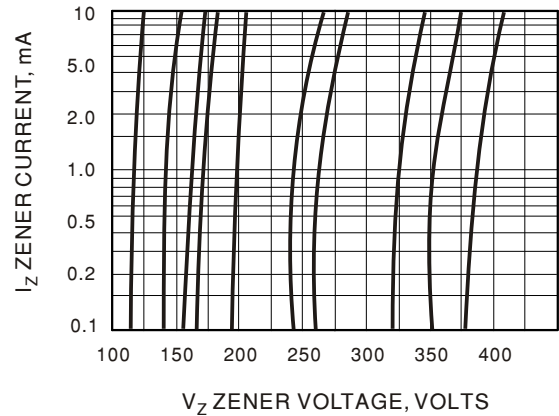


FIG. 3 - TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

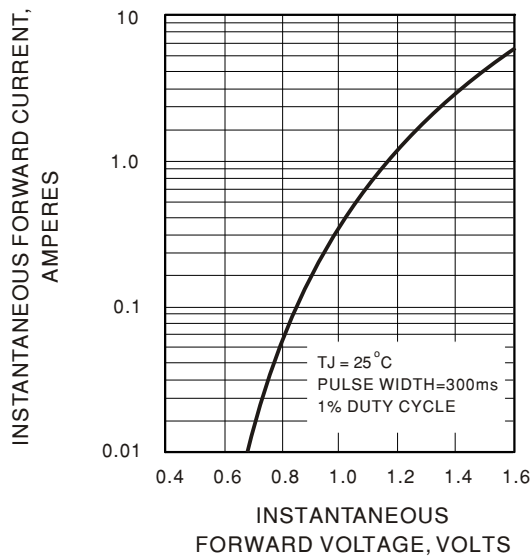


FIG. 4 - TYPICAL REVERSE CHARACTERISTICS

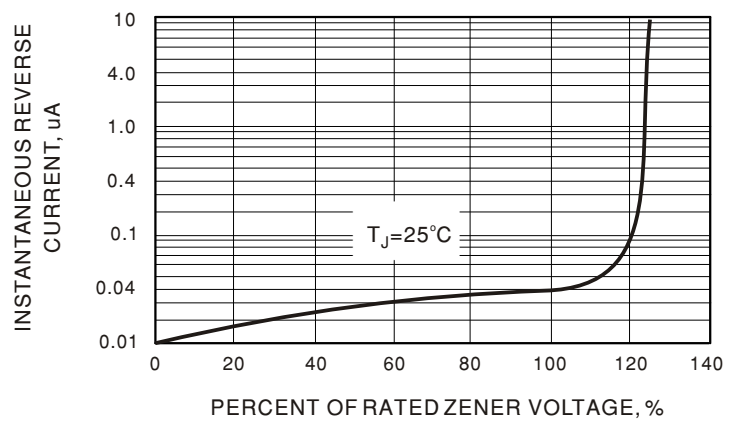


FIG. 5 - TYPICAL TEMPERATURE COEFFICIENTS

