

1 W Surface Mount Zener Diode

Formosa MS

ZS300-BL

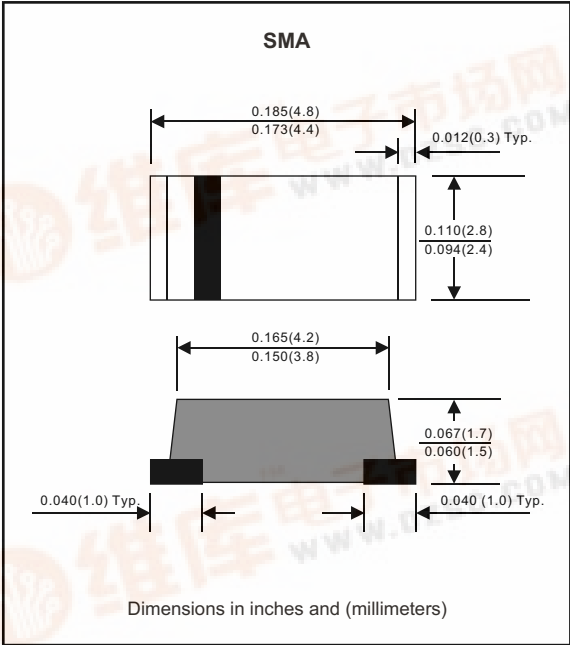
Zener diodes

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 -55to + 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

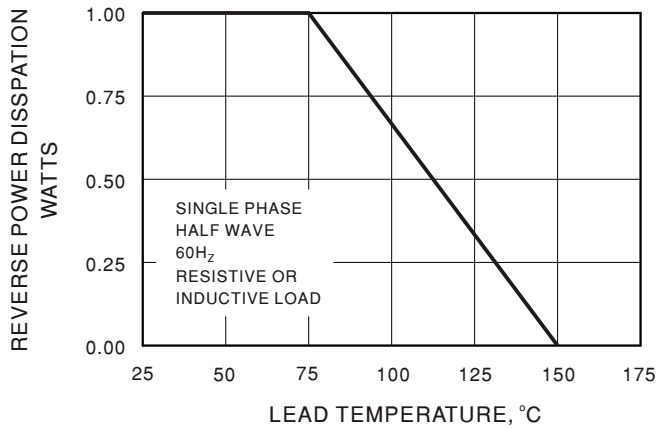


FIG. 2 - ZENER VOLTAGE VERSUS ZENER CURRENT

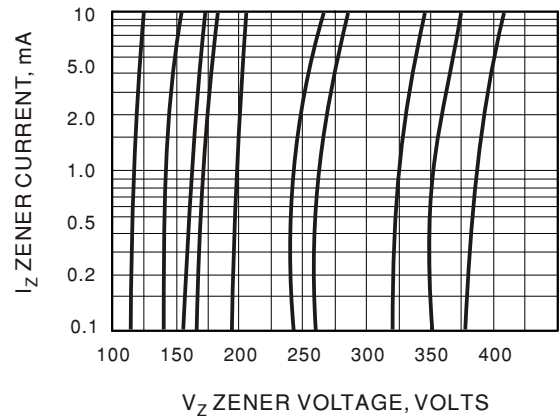


FIG. 3 - TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

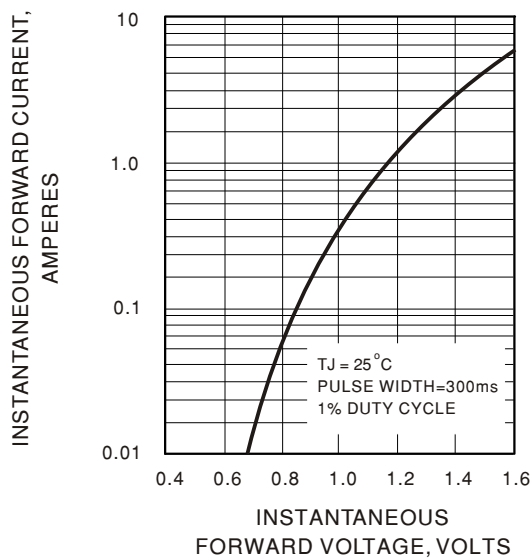


FIG. 4 - TYPICAL REVERSE CHARACTERISTICS

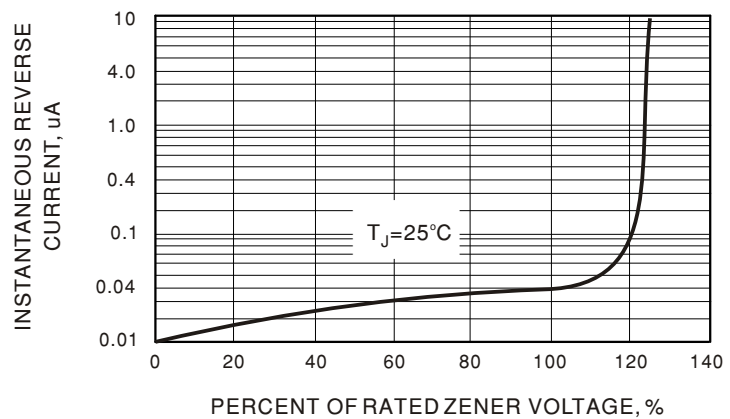


FIG. 5 - TYPICAL TEMPERATURE COEFFICIENTS

