

TECHNICAL DATA
DATASHEET 4213, REV-

ZENER 0.5W VOLTAGE REGULATOR

PART NUMBER: 1C6327

CONFIGURATION: Zener 0.5W Voltage Regulator

-All ratings are @ Tc = 25 °C unless otherwise specified.

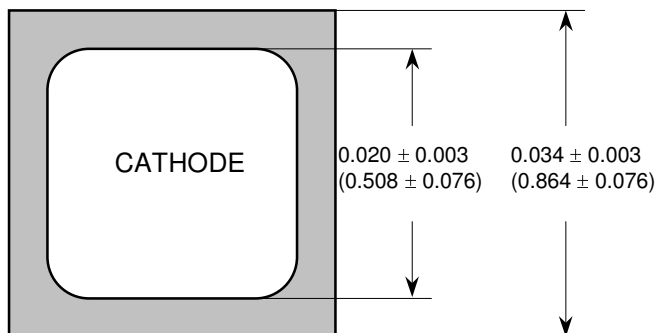
-Operating temp.: -55 °C to +175 °C

-Storage temp.: -65 °C to +175 °C

MAXIMUM RATINGS / ELECTRICAL CHARACTERISTICS	SYMBOL	VALUE	UNITS
NOMINAL ZENER VOLTAGE $\pm 5\%$ @ I_{Z2}	$V_{Z2\text{ NOM}}$	13.0	Vdc
MIN ZENER VOLTAGE @ 250 μA	$V_{Z1\text{ MIN}}$	11.9	Vdc
TEST CURRENT	I_{Z2}	9.5	mAmps dc
MAXIMUM IMPEDANCE @ I_{Z2}	Max Z_Z	8	ohm
REVERSE VOLTAGE	V_R	8.0	Vdc
MAXIMUM REVERSE CURRENT	Max I_{R1}	0.05	uAmps dc
MAXIMUM REVERSE CURRENT @ $T_A = +150^\circ\text{C}$	Max I_{R2}	10	uAmps dc
MAXIMUM KNEE IMPEDANCE @ 250 μA	Max Z_K	550	ohm
MAXIMUM VOLTAGE REGULATION	Max $V_Z(\text{reg})$	0.55	Vdc
MAXIMUM TEMPERATURE COEFFICIENT *	αV_Z	0.079	%/°C
POWER DISSIPATION *	Power	0.5	Watts

* Adequate energy absorption should be provided.

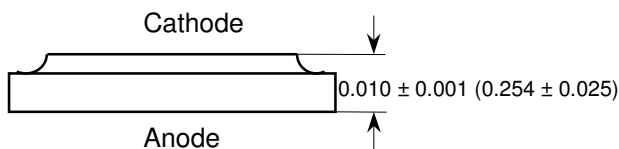
MECHANICAL DIMENSIONS: In Inches (mm)



Bottom side metalization: Al - 25 kÅ minimum or Ti/Ni/Ag - 30 kÅ minimum.

Top side metalization: Al - 25 kÅ minimum or Ti/Ni/Ag - 30 kÅ minimum.

Bottom side is anode, top side is cathode.



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