

TECHNICAL DATA
DATASHEET 4214, REV-

ZENER 0.5W VOLTAGE REGULATOR

PART NUMBER: 1C6330

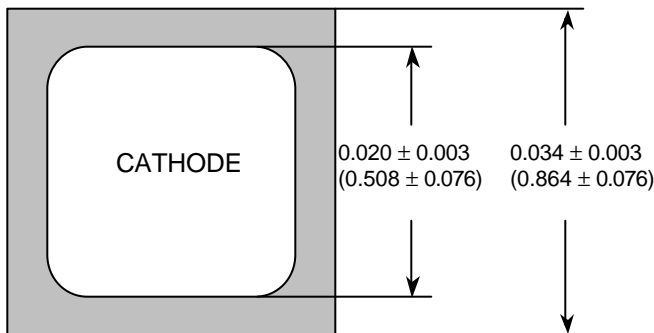
CONFIGURATION: Zener 0.5W Voltage Regulator

- All ratings are @ Tc = 25 °C unless otherwise specified.
- Operating temp.: -55 °C to +175 °C
- Storage temp.: -65 °C to +175 °C

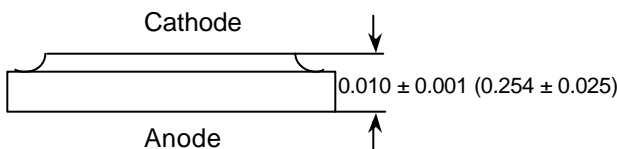
MAXIMUM RATINGS / ELECTRICAL CHARACTERISTICS	SYMBOL	VALUE	UNITS
NOMINAL ZENER VOLTAGE ± 5% @ I _{Z2}	V _{Z2} NOM	18.0	Vdc
MIN ZENER VOLTAGE @ 250 µA	V _{Z1} MIN	16.6	Vdc
TEST CURRENT	I _{Z2}	7	mAmps dc
MAXIMUM IMPEDANCE @ I _{Z2}	Max Z _Z	14	ohm
REVERSE VOLTAGE	V _R	14.0	Vdc
MAXIMUM REVERSE CURRENT	Max I _{R1}	0.05	uAmps dc
MAXIMUM REVERSE CURRENT @ T _A = +150°C	Max I _{R2}	10	uAmps dc
MAXIMUM KNEE IMPEDANCE @ 250 µA	Max Z _K	600	ohm
MAXIMUM VOLTAGE REGULATION	Max V _Z (reg)	0.85	Vdc
MAXIMUM TEMPERATURE COEFFICIENT *	αV _Z	0.085	%/°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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