



SOD-123 Plastic-Encapsulate Diodes

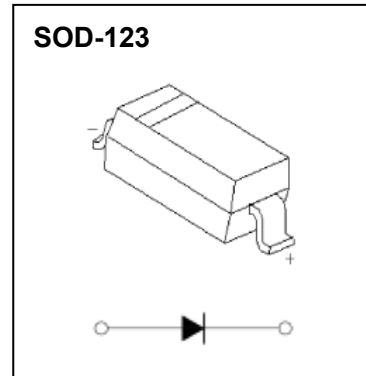
2CZ4006 RECTIFICATION DIODE

FEATURE

- Low Leakage Current
- Ideal for Surface Mounted Applications

MARKING: Z46

MAXIMUM RATINGS (T_a=25°C unless otherwise noted)



Symbol	Parameter	Value	Unit
V _{RM}	Non-repetitive peak reverse voltage	800	V
V _{R(RMS)}	RMS reverse voltage	560	V
I _o	Average rectified output current	1	A
I _{FSM}	Non-repetitive peak forward surge current @8.3ms half sine wave	7.5	A
P _D	Power dissipation	350	mW
R _{θJA}	Thermal resistance from junction to ambient	357	°C/W
T _J	Junction temperature	150	°C
T _{stg}	Storage temperature	-55~+150	°C

ELECTRICAL CHARACTERISTICS (T_a=25°C unless otherwise specified)

Parameter	Symbol	Test conditions	Min	Typ	Max	Unit
Reverse voltage	V _(BR)	I _R =0.1mA	800			V
Reverse current	I _R	V _R =800V			5	μA
Forward voltage	V _F	I _F =1A			1.1	V
Total capacitance	C _{tot}	V _R =4V,f=1MHz			15	pF

Typical Characteristics

2CZ4006

