

Schottky Barrier Diode

VOLTAGE RANGE: 40V

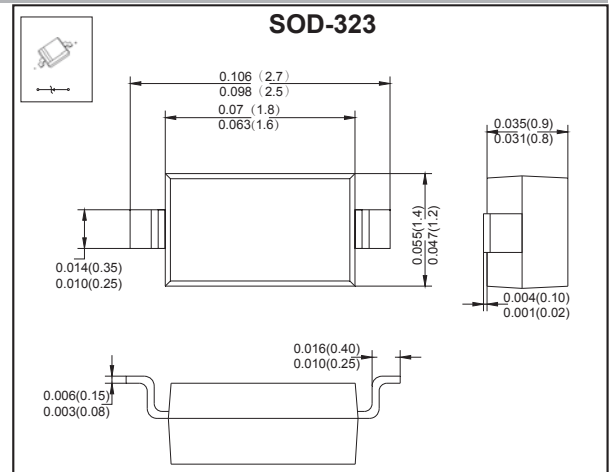
PEAK PULSE POWER:200mW

FEATURES

- Low current rectifier schottky diode
- Low voltage, low inductance
- For power supply

MECHANICAL DATA

- Case: SOD-323 Small Outline Plastic Package
- Polarity: Color band denotes cathode end
- Mounting Position: Any



MAXIMUM RATINGS AND CHARACTERISTICS

Ratings at 25 C ambient temperature unless otherwise specified

Parameter	Symbol	Limit	Unit
Peak reverse voltage	V _{RM}	40	V
DC reverse voltage	V _R	30	V
Mean rectifying current	I _O	0.03	A
Non-repetitive Peak Forward Surge Current@t=8.3ms	I _{FSM}	0.2	A
Power dissipation	P _D	200	mW
Thermal Resistance Junction to Ambient	R _{θJA}	500	°C/W
Junction temperature	T _j	125	°C
Storage temperature	T _{stg}	-55~+150	°C

Electrical Specification (T_A=25@25°C unless otherwise specified)

Parameter	Symbol	Min	Typ	Max	Unit	Conditions
Forward voltage	V _F		0.37		V	I _F =1mA
Reverse current	I _R		0.5		μ A	V _R =30V
Capacitance between terminals	C _T		2		pF	V _R =1V, f=1MHZ

MAKING: 5

RATINGS AND CHARACTERISTIC CURVES

Typical Characteristics

