

RoHS Compliant Product

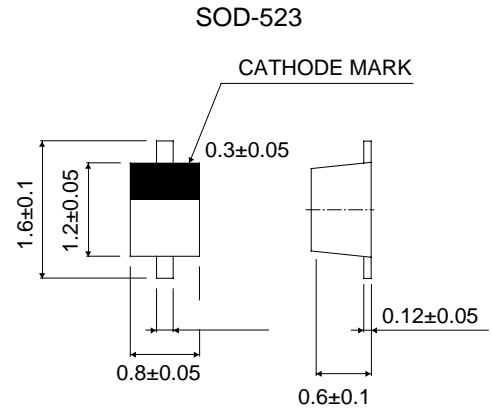
A suffix of "-C" specifies halogen & lead-free

FEATURES

- High speed switching
- Low forward voltage

MECHANICAL DATA

- Terminals: Solder Plated, solderable MIL-STD-750
- Polarity: Indicated by Cathode Band
- Mounting Position: Any



Dimensions in millimeters

Marking : S3

Maximum Ratings and Electrical Characteristics @T_A=25 °C

Parameter	Symbol	Limits	Unit
Peak reverse voltage	V _{RM}	45	V
DC reverse voltage	V _R	40	V
Maximum (peak) forward current	I _{FM}	300	mA
Average forward current	I _O	100	mA
Surge current (10ms)	I _{FSM}	1000	mA
Power dissipation	P _D	150	mW
Junction temperature	T _j	125	°C
Storage temperature	T _{stg}	-55-125	°C
Operating temperature range	T _{opr}	-40-100	°C

Electrical Ratings @T_A=25°C

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	V _{F1}		0.28		V	I _F =1mA
	V _{F2}		0.36		V	I _F =10mA
	V _{F3}		0.54	0.60	V	I _F =50mA
Reverse current	I _R			5	μ A	V _R =10V
Total capacitance	C _T		18	25	pF	V _R =0, f=1MHZ

