RB521S-30

Schottky Barrier Diode

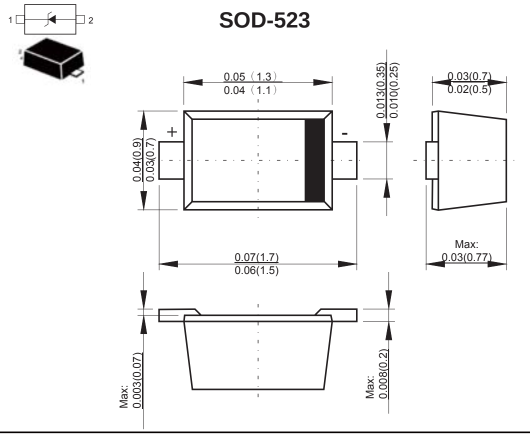
VOLTAGE RANGE: 30V PEAK PULSE POWER:150mW

FEATURE

- Small surface mounting type
- Low reverse current and low forward voltage
- High reliability

MECHANICAL DATA

- Case: SOD-523 Small Outline Plastic Package
- Polarity: Color band denotes cathode end
- Mounting Position: Any



MAXIMUM RATINGS AND CHARACTERISTICS

Ratings at 25 ℃ambient temperature unless otherwise specified

Parameter	Symbol	Limit	Unit
DC reverse voltage	V_R	30	V
Mean rectifying current	I_O	200	mA
Non-repetitive Peak forward surge current @ t=8.3ms	I_{FSM}	1	A
Power dissipation	P_D	150	mW
Thermal Resistance Junction to Ambient	$R_{\theta JA}$	667	℃/W
Junction temperature	T_j	125	℃
Storage temperature	T_{stg}	-55~+150	℃

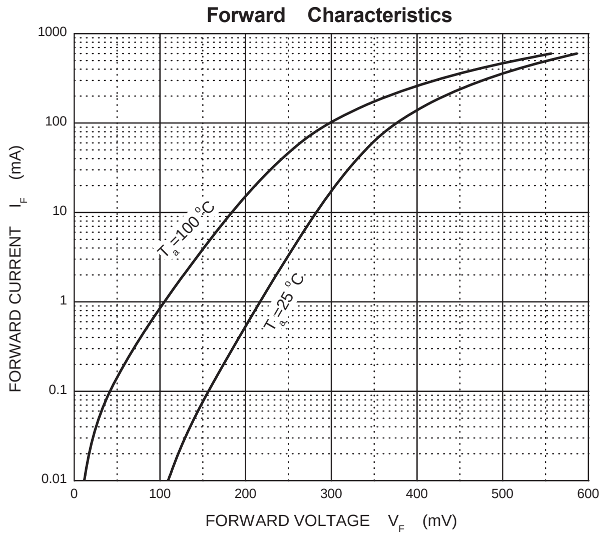
Electrical Specification (T

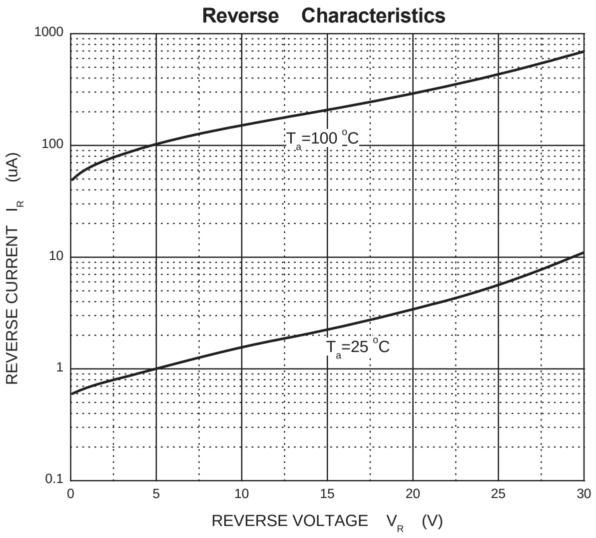
Parameter	Symbol	Min	Typ	Max	Unit	Conditions
Forward voltage	V_{F1}			0.35	V	I_F=10mA
	V_{F2}			0.5	V	I_F=200mA
Reverse current	I_R			30	µA	V_R=10V

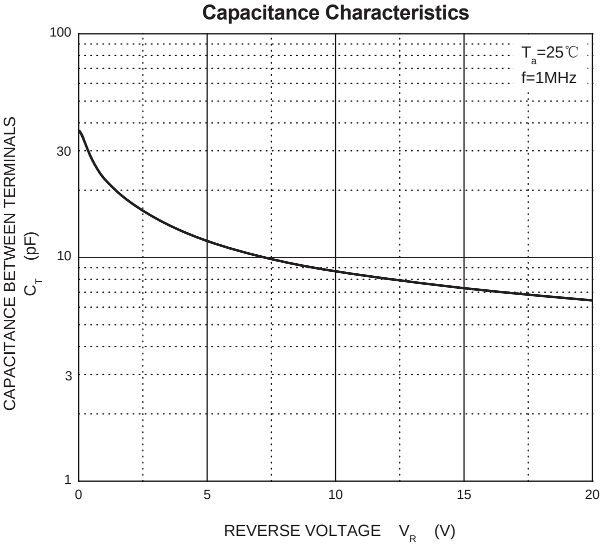
MARKING: C

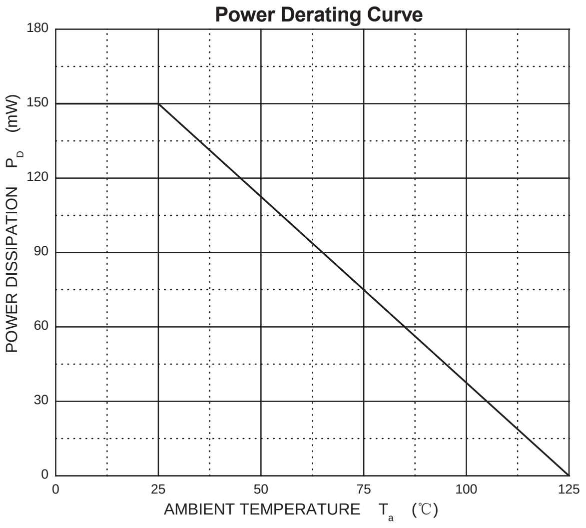
RATINGS AND CHARACTERISTIC CURVES

Typical Characteristics


Forward Characteristics


Reverse Characteristics


Capacitance Characteristics


Power Derating Curve