

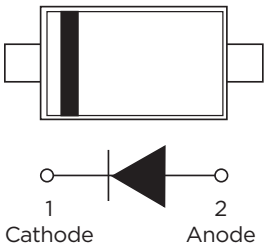
PART NUMBER	PACKAGE	VOLTAGE	CURRENT	CIRCUIT CONFIGURATION
RB521S30-□VL E = 7" Embossed T&R (5,000) U = 13" Embossed T&R (12,000)	SOD-523	30V	200mA	SINGLE

FEATURES:

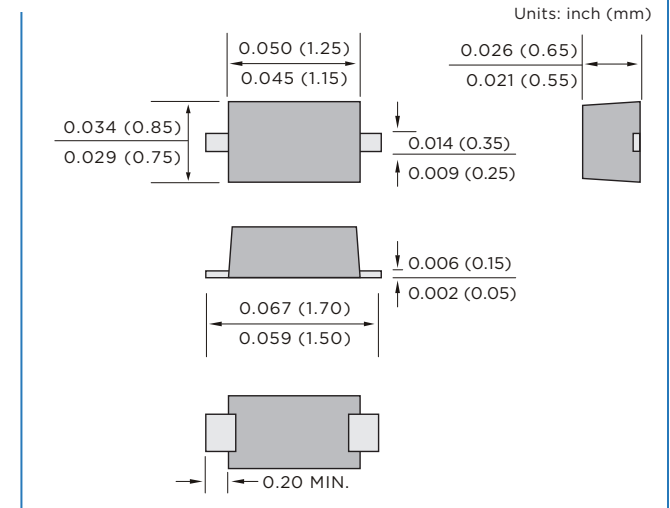
- Extremely High Switching Speed
- Surface mount package ideally suited for automatic insertion

MECHANICAL DATA:

- Case: SOD-523, Plastic
- Terminals: Solderable per MIL-STD-750, Method 2026
- Appox Weight: 0.00005 ounces, 0.0014 grams
- Marking: 21



SOD-523



ABSOLUTE RATINGS

PARAMETER	SYMBOL	VALUE	UNITS
Peak Reverse Voltage	V_{RM}	30	V
Mean Rectifying Current	$I_{F(AV)}$	0.2	A
Peak Forward Surge Current @ $T_p=1s$	I_{FSM}	1	A
Operating Junction and Storage Temperature Range	T_J, T_{STG}	-55 to +125	°C

ENVIRONMENTAL INFORMATION

RoHS Status	10 of 10 Compliant
REACH Status	Compliant
Halogen Status	Halogen Free
Conflict Mineral Status	Conflict Mineral Free
Moisture Sensitivity Level (MSL)	1

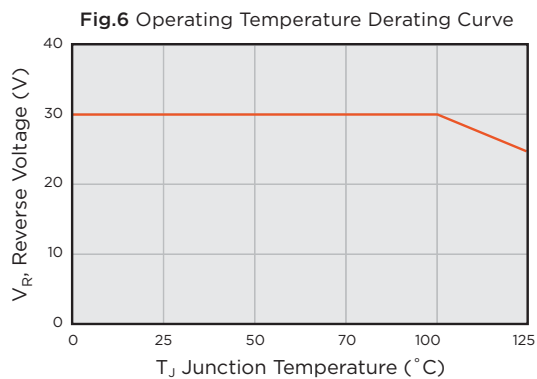
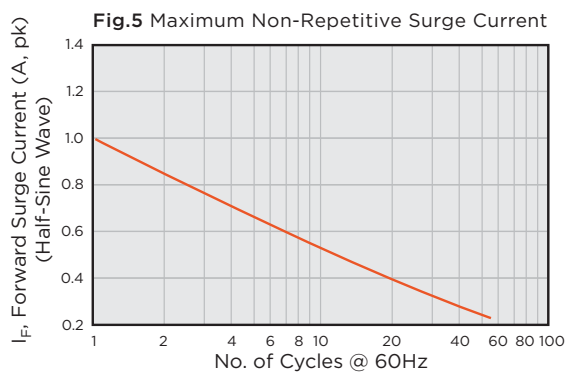
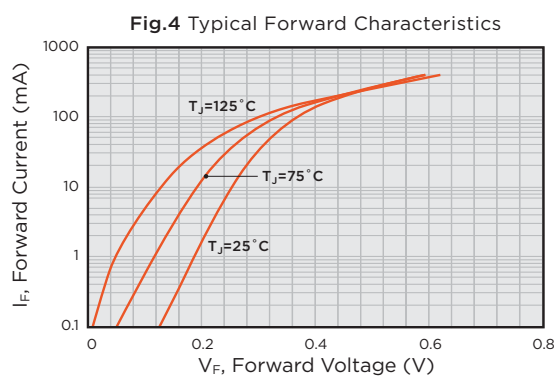
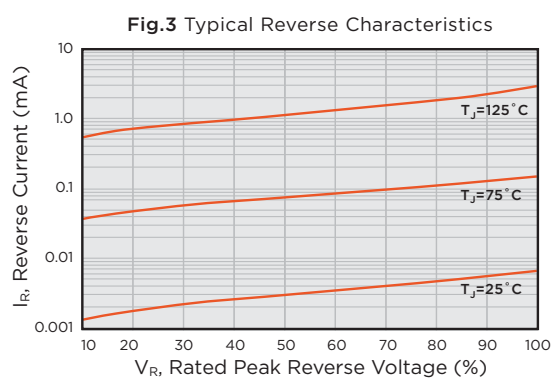
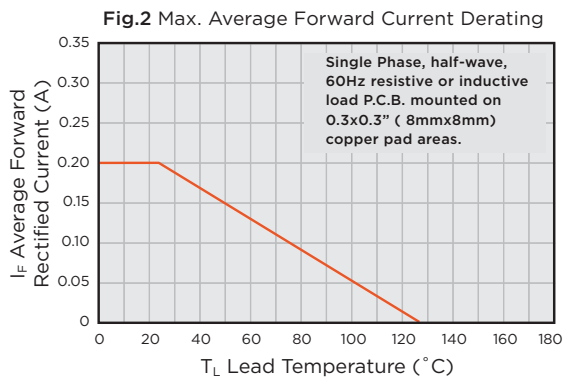
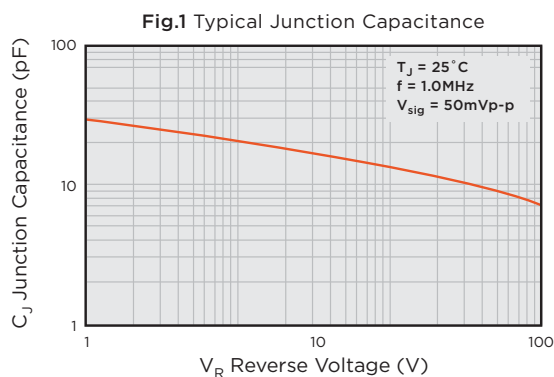


ELECTRICAL CHARACTERISTICS

$T_J=25^\circ\text{C}$ (unless otherwise noted)

PARAMETER	SYMBOL	TEST CONDITIONS		MIN	TYP	MAX	UNITS
Forward Voltage	V_F	$I_F=200\text{mA}$	$T_J=25^\circ\text{C}$	-	-	0.50	V
		$I_F=10\text{mA}$	$T_J=25^\circ\text{C}$	-	-	0.35	
Reverse Current	I_R	$V_R=10\text{V}$	$T_J=25^\circ\text{C}$	-	-	10	μA
		$V_R=30\text{V}$	$T_J=25^\circ\text{C}$	-	-	100	

TYPICAL CHARACTERISTIC CURVES



MOUNTING PAD LAYOUT

