

RB521S-30

FEATURES

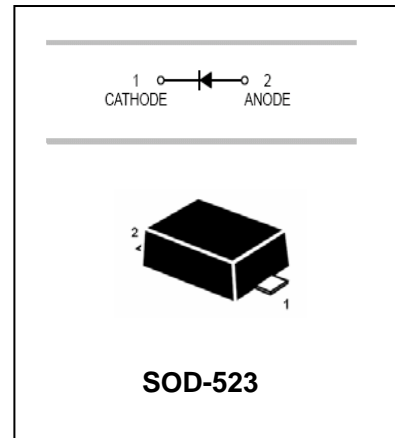
- Low $I_R=0.1\mu A$.
- High reliability.
- Small surface mounting.

APPLICATIONS

- Low current rectification.

ORDERING INFORMATION

Type No.	Marking	Package Code
RB521S-30	B	SOD-523



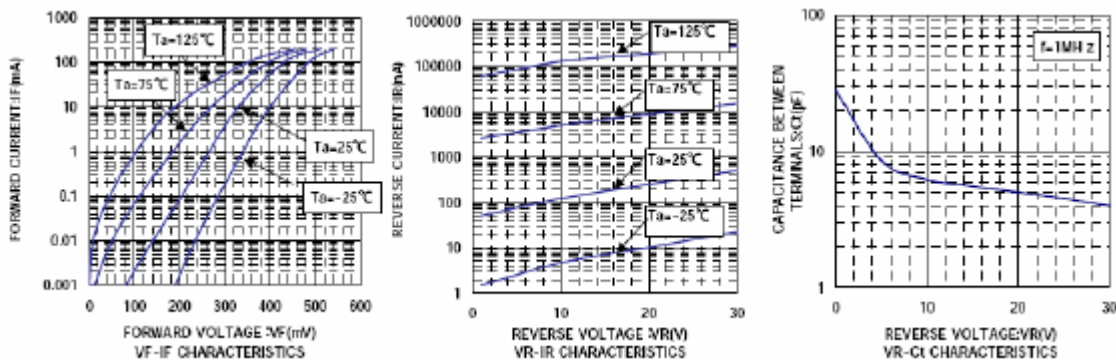
MAXIMUM RATING @ $T_a=25^\circ C$ unless otherwise specified

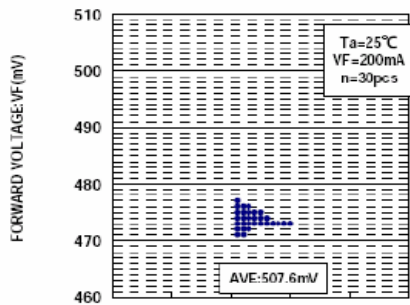
Parameter	Symbol	Limits	Unit
DC reverse voltage	V_R	40	V
Mean rectifying current	I_O	200	mA
Peak forward surge current	I_{FSM}	1	A
Junction temperature	T_j	125	$^\circ C$
Storage temperature	T_{stg}	-40-125	$^\circ C$

ELECTRICAL CHARACTERISTICS @ $T_a=25^\circ C$ unless otherwise specified

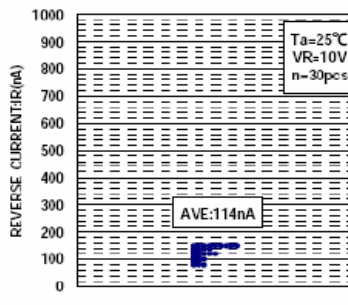
Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	V_F			0.39	V	$I_F=10mA$
				0.55	V	$I_F=100mA$
Reverse current	I_R			1	μA	$V_R=10V$

TYPICAL CHARACTERISTICS @ $T_a=25^\circ C$ unless otherwise specified

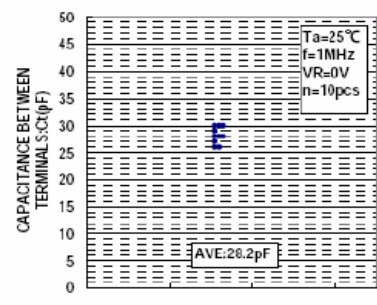




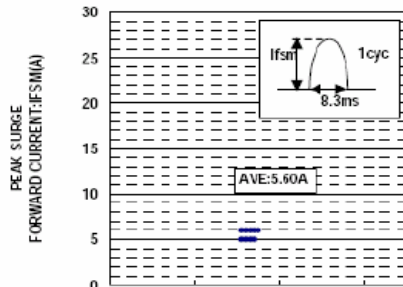
VF DISPERSION MAP



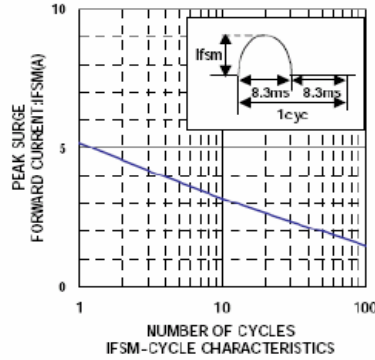
IR DISPERSION MAP



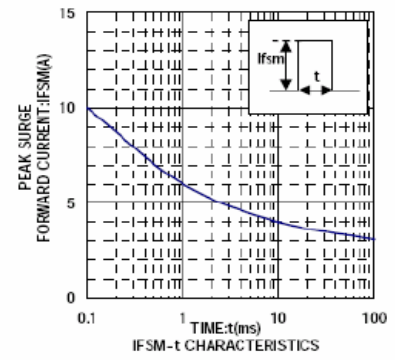
Ct DISPERSION MAP



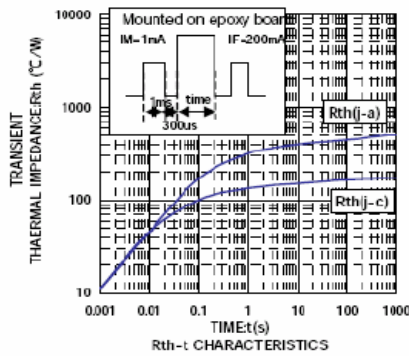
IFSM DISERSION MAP



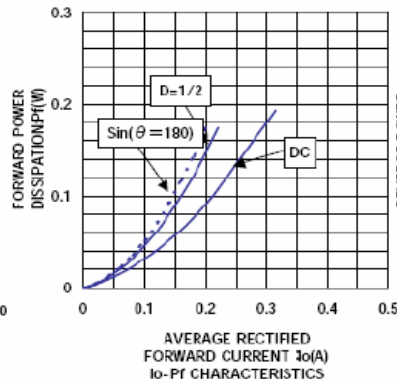
IFSM-CYCLE CHARACTERISTICS



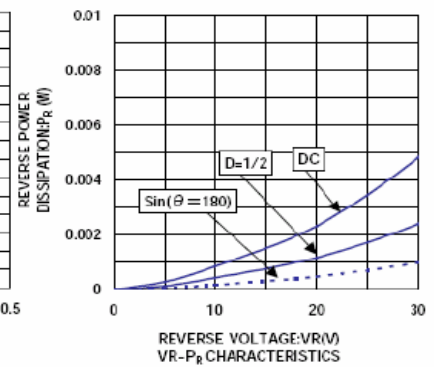
IFSM-t CHARACTERISTICS



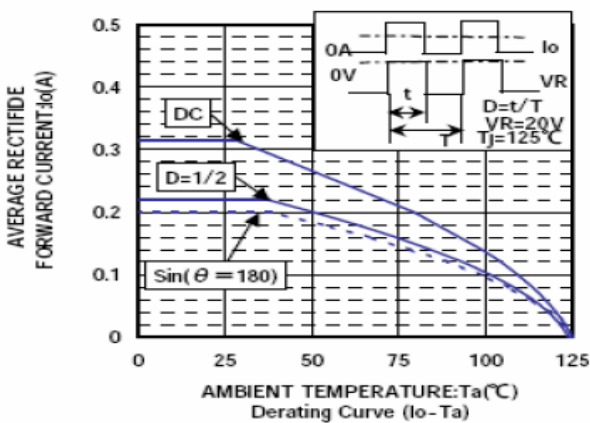
Rth-t CHARACTERISTICS



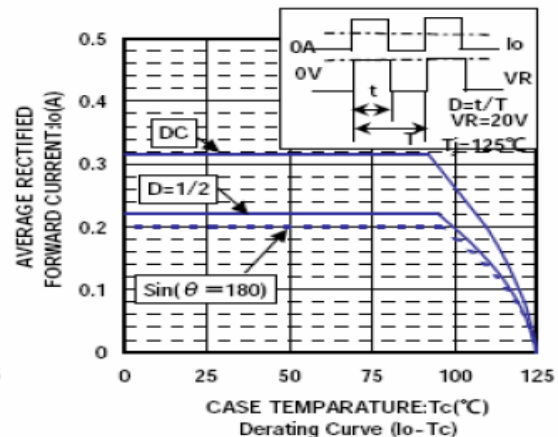
AVERAGE RECTIFIED FORWARD CURRENT I_o (A)
 I_o -Pf CHARACTERISTICS



REVERSE VOLTAGE-VR(V)
VR-Pr CHARACTERISTICS



AMBIENT TEMPERATURE: T_a (°C)
Derating Curve (I_o - T_a)

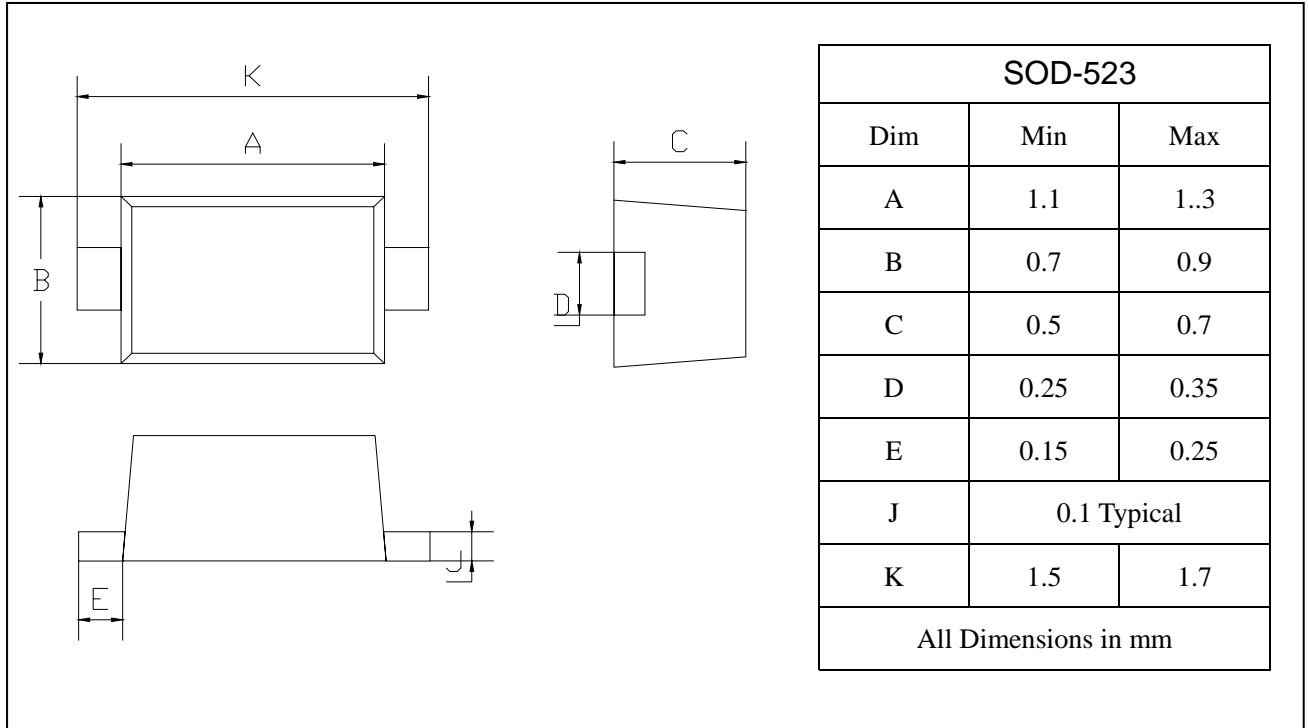


CASE TEMPERATURE: T_c (°C)
Derating Curve (I_o - T_c)

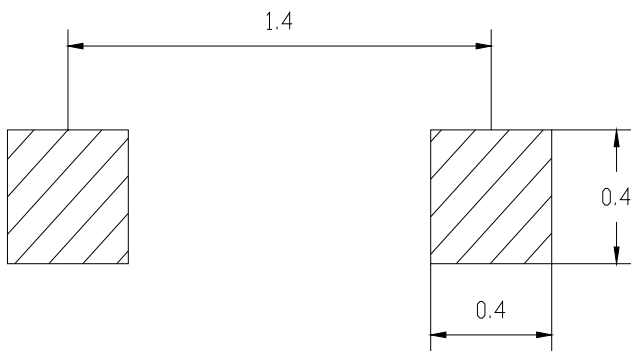
PACKAGE OUTLINE

Plastic surface mounted package

SOD-523



SOLDERING FOOTPRINT



Unit: mm

PACKAGE INFORMATION

Device	Package	Shipping
RB520S-30	SOD-523	3000/Tape&Reel

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Schottky Diodes & Rectifiers](#) category:

Click to view products by [JSMSEMI](#) manufacturer:

Other Similar products are found below :

[MA4E2039](#) [MA4E2508M-1112](#) [MBR0530L-TP](#) [MBR10100CT-BP](#) [MBR1545CT](#) [MMBD301M3T5G](#) [RB160M-50TR](#)
[BAS16E6433HTMA1](#) [BAS 3010S-02LRH E6327](#) [BAT 54-02LRH E6327](#) [IDL02G65C5XUMA1](#) [NSR05F40QNXT5G](#) [NSVR05F40NXT5G](#)
[NTE555](#) [JANS1N6640](#) [SB07-03C-TB-H](#) [SK310-T](#) [SK33A-TP](#) [SK34B-TP](#) [SS3003CH-TL-E](#) [PDS3100Q-7](#) [GA01SHT18](#)
[CRS10I30A\(TE85L,QM](#) [MA4E2501L-1290](#) [MBRB30H30CT-1G](#) [JANTX1N5712-1](#) [SB007-03C-TB-E](#) [SK33B-TP](#) [SK35A-TP](#) [SK38B-LTP](#)
[NTE505](#) [NTSB30U100CT-1G](#) [VS-6CWQ10FNHM3](#) [CRG04\(T5L,TEMQ\)](#) [ACDBA1100LR-HF](#) [ACDBA1200-HF](#) [ACDBA240-HF](#)
[ACDBA3100-HF](#) [CDBQC0530L-HF](#) [ACDBA260LR-HF](#) [ACDBA1100-HF](#) [MA4E2502L-1246](#) [10BQ015-M3/5BT](#) [10BQ060-M3/5BT](#)
[NRVB130LSFT1G](#) [CRS08TE85LQM](#) [PMAD1108-LF](#) [B120Q-13-F](#) [1N5819T-G](#) [B0530WSQ-7-F](#)