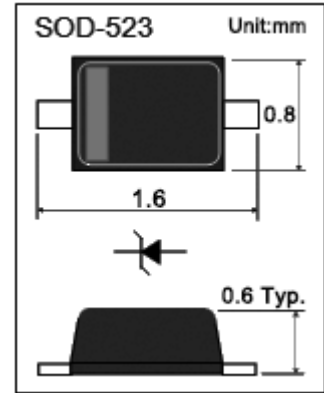


Schottky Barrier Diode/ DATA SHEET

RB521SM5-40

- ◇ Low current rectification
- ◇ Low forward voltage
- ◇ SOD523 Micro SMD package
- ◇ RoHS compliant
- ◇ UL-94 V-0 / Green EMC
- ◇ Matte Tin Lead finish (Pb-Free)
- ◇ Cathode Band / Device marking:

Device Marking Code	
RB521SM5-40	S



Maximum Ratings (Ta = 25 °C)

Symbol	Parameter	Value	Units
VRRM	Repetitive Peak Reverse Voltage	40	V
VRWM	Working Peak Reverse Voltage	40	V
IO	Continuous Forward Current	200	mA
IFSM	Non-Repetitive Peak Forward Current *1	1	A
TJ	Junction Temperature	125	°C
TSTG	Storage Temperature	-55 to +125	°C

Electrical Characteristics (Ta = 25 °C)

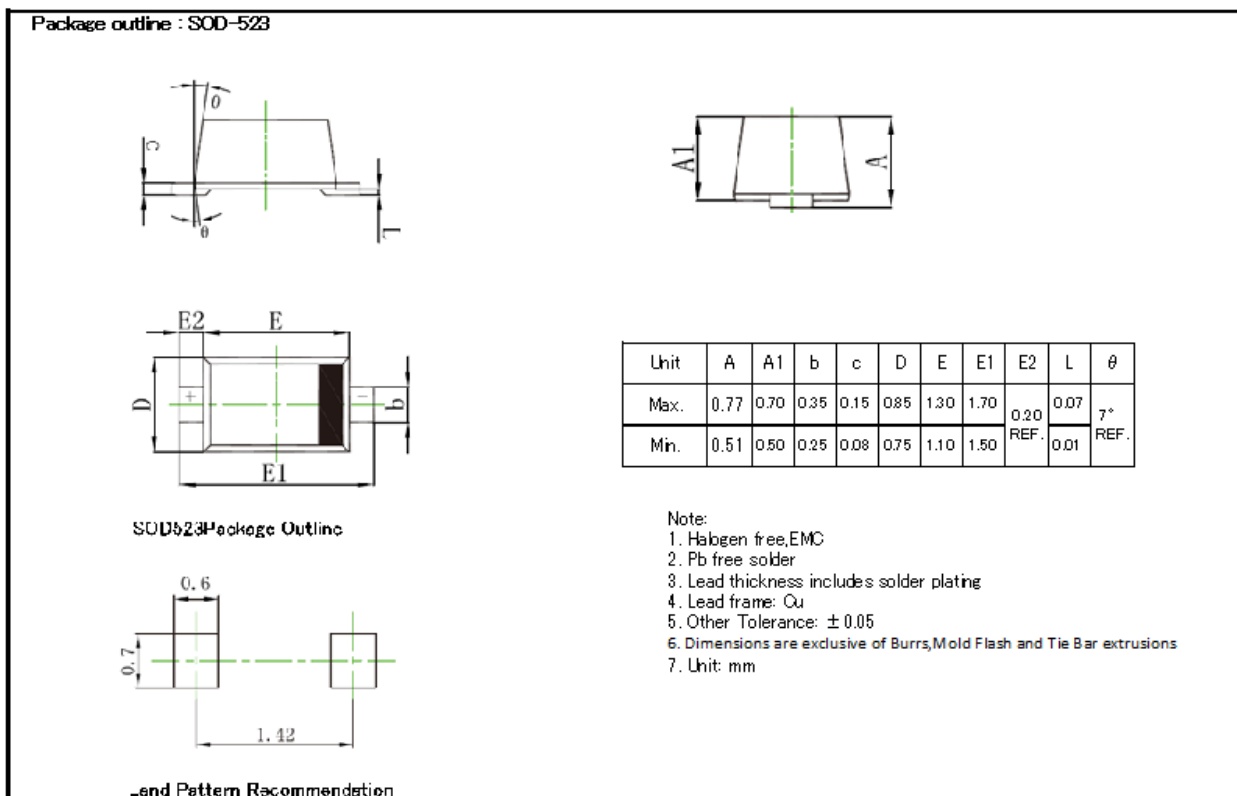
Symbol	Parameter	Conditions	Min	TYP	Max	Units
V _F	Forward Voltage	I _F = 10mA	0.16		0.30	V
		I _F = 100mA	0.31		0.45	V
		I _F = 200mA	0.41		0.54	V
BV _R	Breakdown Voltage	I _R = 500 μA	40			V
I _R	Reverse Current	V _R = 10V			20	μA
		V _R = 40V			90	μA

*1 8.3 ms single half sine-wave

Ordering Information

Device	Package	Shipping	Tape wide	Emboss pitch	Tape specification	Notes
RB521SM5-40	SOD523	Tape & Reel 8000pcs /7" Reel	8 mm	4 mm	Conductive	

Package Dimensions



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 [amsem](#) manufacturer:

Other Similar products are found below :

[MA4E2039](#) [MMBD301M3T5G](#) [RB160M-50TR](#) [D83C](#) [BAS16E6433HTMA1](#) [BAS 3010S-02LRH E6327](#) [BAT 54-02LRH E6327](#)
[NRVBAF360T3G](#) [NSR05F40QNXT5G](#) [NTE555](#) [JANS1N6640](#) [SS3003CH-TL-E](#) [GA01SHT18](#) [CRS10I30A\(TE85L,QM](#) [MBRA140TRPBF](#)
[MBRB30H30CT-1G](#) [BAT 15-04R E6152](#) [JANTX1N5712-1](#) [DMJ3940-000](#) [SB007-03C-TB-E](#) [NRVBB20100CTT4G](#) [NRVBM120LT1G](#)
[NTSB30U100CT-1G](#) [CRG04\(T5L,TEMQ\)](#) [ACDBA1100LR-HF](#) [ACDBA1200-HF](#) [ACDBA240-HF](#) [ACDBA3100-HF](#) [CDBQC0530L-HF](#)
[ACDBA260LR-HF](#) [ACDBA1100-HF](#) [10BQ015-M3/5BT](#) [NRVBM120ET1G](#) [VSSB410S-M3/5BT](#) [1N5819T-G](#) [PDS1040Q-13](#) [B160BQ-13-F](#)
[SDM05U20CSP-7](#) [BAS 70-07 E6433](#) [B140S1F-7](#) [HSM560Je3/TR13](#) [DDB2265-000](#) [ZHCS506QTA](#) [HSM190Je3/TR13](#) [B330AF-13](#)
[ACDBUC0230-HF](#) [SDM1U100S1F-7](#) [MBR10200CTF-G1](#) [CDLL5712](#) [DMF2822-000](#)