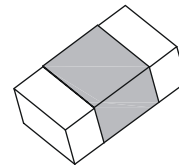


## 100mA Low Profile Chip Schottky Rectifier

### Features

- Low profile with SMD package
- Low power loss , High efficiency
- High current capability, Low voltage drop
- Plastic package has Underwriters Laboratory Flammability Classification 94V-0
- RoHS compliant



C0402  
(SOD-723)



### Mechanical Data

<b>Case:</b>	0402 SMD package, Molded plastic body
<b>Terminals:</b>	Pure Tin plated, solderable per MIL-STD-750, Method 2026
<b>Polarity</b>	Laser cathode band marking
<b>Weight:</b>	0.0015 gram

### Maximum Ratings *(T<sub>Ambient</sub>=25°C unless noted otherwise)*

Symbol	Description	TSCD012WUR	TSCD014WUR	Unit	Conditions
<b>VRRM</b>	Maximum Repetitive Peak Reverse Voltage	20	40	V	
<b>VRWM</b>	Maximum Working Peak Reverse Voltage	20	40	V	
<b>IF(AV)</b>	Forward Rectified Current	100		mA	
<b>IFSM</b>	Non-repetitive Peak Forward Surge Current	0.5		A	8.3ms single half sine-wave
<b>TJ</b>	Operating Junction temperature range	-40 to +125		° C	
<b>TSTG</b>	Storage Temperature Range	-40 to +125		° C	

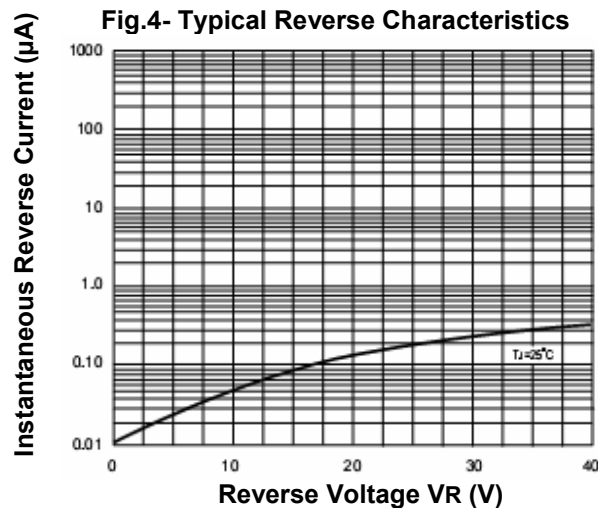
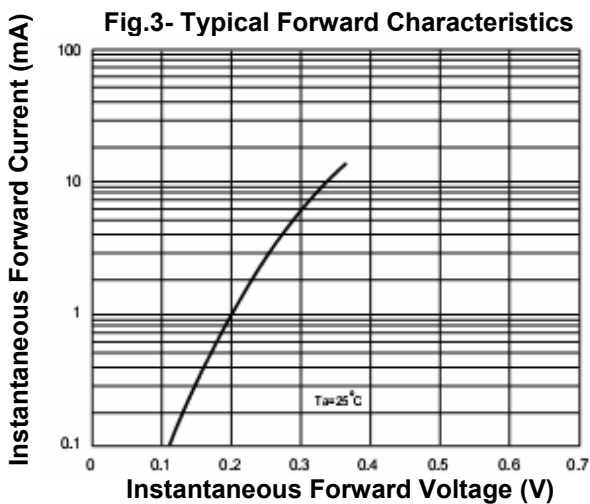
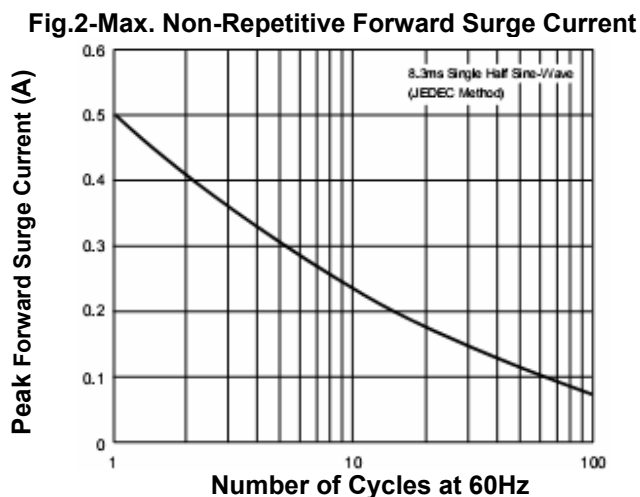
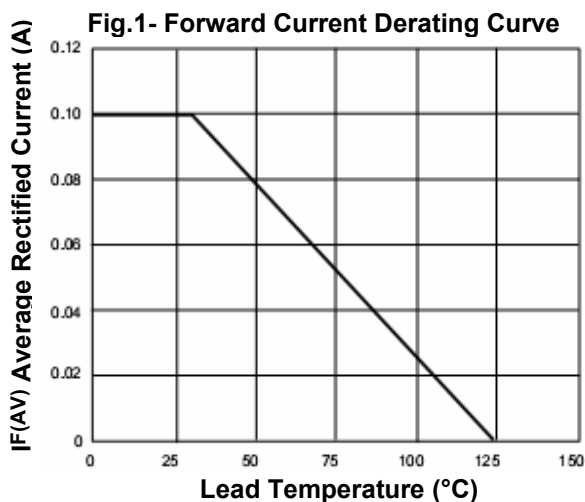
### Electrical Characteristics *(T<sub>Ambient</sub>=25°C unless noted otherwise)*

Symbol	Description	TSCD012WUR	TSCD014WUR	Unit	Conditions
<b>VF</b>	Maximum Instantaneous Forward Voltage Drop	0.35		V	IF= 10 mA
<b>IR</b>	Maximum DC Reverse Current at Rated DC Blocking Voltage	0.5	0.5*	µA	* VR=30V

# 100mA Low Profile Chip Schottky Rectifier

## TSCD012WUR/TSCD014WUR

### Typical Characteristics Curves

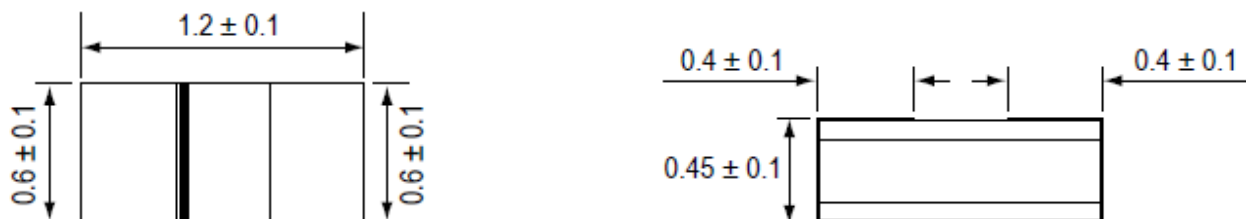


# 100mA Low Profile Chip Schottky Rectifier

## TSCD012WUR/TSCD014WUR

### Dimensions in mm

**C0402**  
(SOD-723)



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