

# Features

- Lead Free Finish/RoHS Compliant ("P" Suffix Designates RoHS Compliant. See Ordering Information)
- Epoxy Meets UL 94 V-0 Flammability Rating
- Moisture Sensitivity Level 1
- Low Diode Capacitance
- Low Diode Forward Resistance

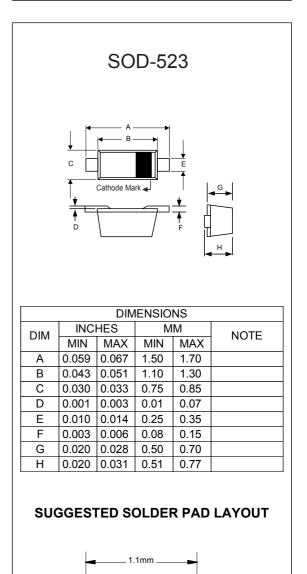
## **Maximum Ratings**

- Operating Junction Temperature Range: -65°C to +150°C
- Storage Temperature Range: -65°C to +150°C
- Thermal Resistance: 85°C/W Junction to Solder Point

Parameter	Symbol	Limits	Unit
Continuous Reverse Voltage	V <sub>R</sub>	60	V
Forward Current	I <sub>F</sub>	50	mA
Power Dissipation(T <sub>A</sub> =90°C)	P <sub>D</sub>	715	mW

Device Marking: A5

# General Purpose Pin Diodes 715mW



0.8mm

0.6mm

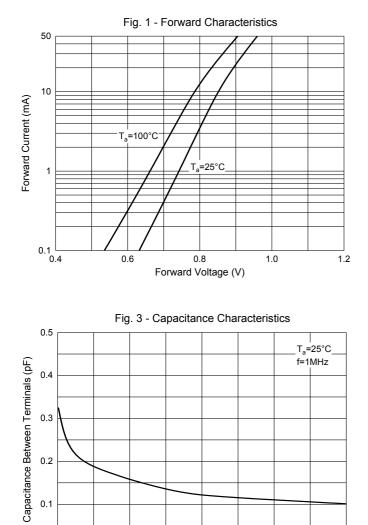


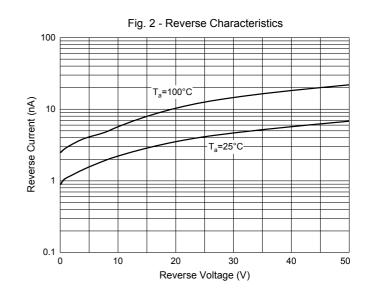
## Electrical Characteristics @ 25°C Unless Otherwise Specified

Parameter	Symbol	Min.	Тур	Max.	Conditions
Continuous Reverse Voltage	V <sub>R</sub>	50V			I <sub>R</sub> =10μA
Forward Voltage	V <sub>F</sub>			1.1V	I <sub>F</sub> =50mA
Reverse Current	I <sub>R</sub>			100nA	V <sub>R</sub> =50V
Diode Capacitance	C <sub>d1</sub>		0.4pF		V <sub>R</sub> =0V,f=1MHz
	C <sub>d2</sub>			0.55pF	V <sub>R</sub> =1V,f=1MHz
	C <sub>d3</sub>			0.35pF	V <sub>R</sub> =5V,f=1MHz
Diode Forward Resistance	$R_{D}$			9Ω	I <sub>F</sub> =0.5mA,f=100MHz;
	R <sub>D</sub>			6.5Ω	I <sub>F</sub> =1.0mA,f=100MHz;
	R <sub>D</sub>			2.5Ω	I <sub>F</sub> =10mA,f=100MHz;



# **Curve Characteristics**





0.2

0.1

0.0 L 0

5

10

Reverse Voltage (V)

15

20



# **Ordering Information**

Device	Packing
Part Number-TP	Tape&Reel8Kpcs/Reel

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