



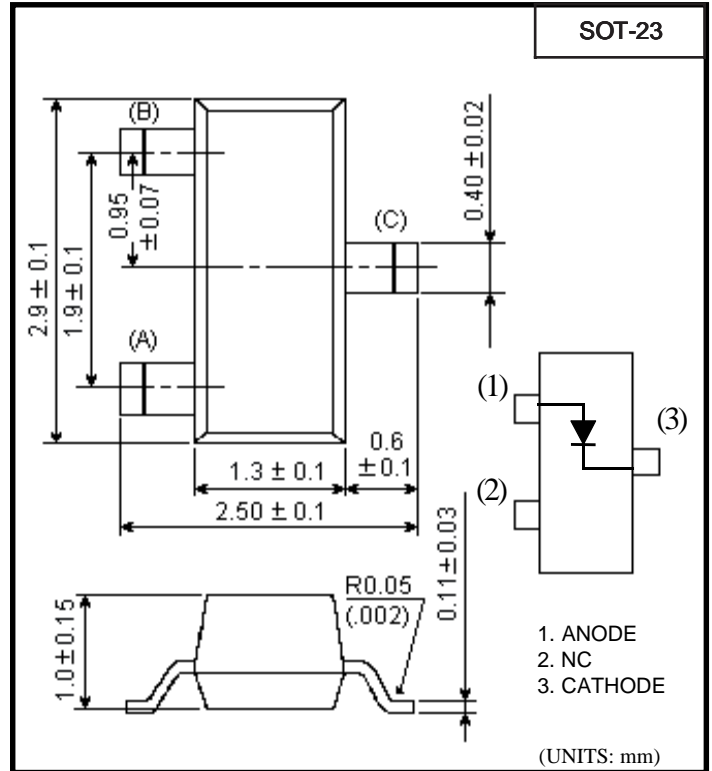
SURFACE MOUNT 1N4150 DIODE

Absolute Maximum Ratings (Ta=25°C)

ITEMS	SYMBOL	RATINGS	UNIT
Reverse Voltage	VR	50	V
Reverse Recovery Time	trr	6	ns
Forward Voltage @ If = 50 mA	VF	0.86	V
Forward Current	IF	300	mA
Junction Temp.	Tj	-55 to 150	°C
Storage Temp.	Tstg	-55 to 150	°C

Mechanical Data

ITEMS	MATERIALS
Package	SOT-23
Lead Frame	42 Alloy
Lead Finish	Solder Plating
Bond Wire	Au
Mold Resin	Epoxy
Chip	Silicon



Electrical Characteristics (Ta=25°C)

RATINGS	SYMBOL	RATINGS	UNIT
Reverse Voltage IR= 100uA	VR	50	V
Repetitive Peak Reverse Voltage	VRRM	75	V
Repetitive Peak Forward Current	IFRM	600	mA
Forward Voltage	VF		V
IF= 1mA		0.62	
IF= 10mA		0.74	
IF= 50mA		0.86	
IF= 100mA		0.92	
IF= 200mA		1.00	
Reverse Current	IR		uA
VR= 50V		0.10	
VR= 50V (Tj= 150°C)		100	
Junction Capacitance VR = 0 V, f = 1MHz	Cj	2.5	pF