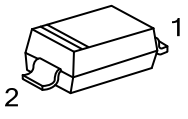
1SS355

DIODE

SWITCHING DIODE



SOD-323

■ DESCRIPTION

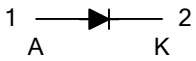
The UTC **1SS355** is a switching diode, it uses UTC's advanced technology to provide the customers with high reliability and ultra small mold type, etc.

The UTC **1SS355** is suitable for high speed switching applications, etc.

■ FEATURES

* High reliability
* Ultra small mold type

■ SYMBOL



■ ORDERING INFORMATION

Ordering Number	Package	Pin Assignment		Packing
		1	2	
1SS355G-CB2-R	SOD-323	A	K	Tape Reel

Note: Pin Assignment: A: Anode K: Cathode

1SS355G-CB2-R
- (1)Packing Type
- (2)Package Type
- (3)Green Package

(1) R: Tape Reel
(2) CB2 : SOD-323
(3) G: Halogen Free and Lead Free

■ MARKING

■ ABSOLUTE MAXIMUM RATINGS (T_A=25°C, unless otherwise specified)

PARAMETER	SYMBOL	RATINGS	UNIT
Reverse Voltage (Repetitive Peak)	V_{RM}	90	V
Reverse Voltage (DC)	V_R	80	V
Forward Current	I_{FM}	225	mA
Average Rectified Forward Current	I_O	100	mA
Surge Current (t=1s)	I_{surge}	500	mA
Junction Temperature	T_J	150	°C
Storage Temperature	T_{STG}	-55~+150	°C

Note: Absolute maximum ratings are those values beyond which the device could be permanently damaged. Absolute maximum ratings are stress ratings only and functional device operation is not implied.

■ ELECTRICAL CHARACTERISTICS (T_A=25°C, unless otherwise specified)

PARAMETER	SYMBOL	TEST CONDITIONS	MIN	TYP	MAX	UNIT
Forward Voltage	V_F	I_F=100mA			1.2	V
Reverse Current	I_R	V_R=80V			0.1	μA
Capacitance Between Terminals	C_T	V_R=0.5V, f=1MHz			3	pF
Reverse Recovery Time	t_{rr}	V_R=6V, I_F=10mA, R_L=100Ω			4	ns

■ TYPICAL CHARACTERISTICS