



UMR11N

Preliminary

DIODE

SWITCHING DIODE

DESCRIPTION

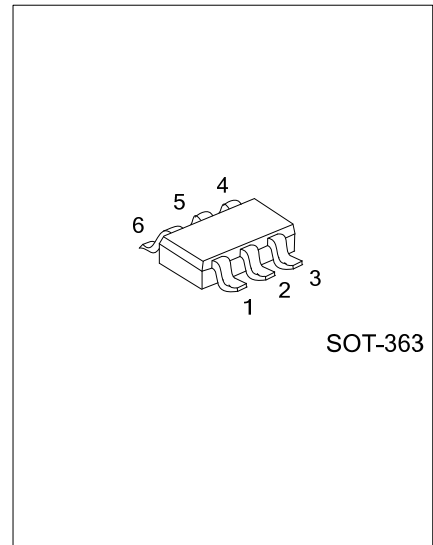
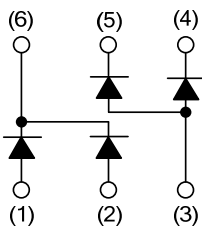
The UTC **UMR11N** is a small signal switching diode, it uses UTC's advanced technology to provide customers with high reliability, etc.

The UTC **UMR11N** is suitable for high frequency switching applications.

FEATURES

- * High frequency application
- * High reliability

SYMBOL



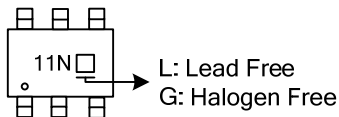
ORDERING INFORMATION

Ordering Number		Package	Pin Assignment						Packing
Lead Free	Halogen Free		1	2	3	4	5	6	
UMR11NL-AL6-R	UMR11NG-AL6-R	SOT-363	A1	A2	A3A4	K4	K3	K1K2	Tape Reel

Note: Pin Assignment: A: Anode K: Cathode

<p>UMR11NL-AL6-R</p> <p>(1)Packing Type (2)Package Type (3)Halogen Free</p>	<p>(1) R: Tape Reel (2) AL6: SOT-363 (3) L: Lead Free, G: Halogen Free</p>
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MARKING



■ ABSOLUTE MAXIMUM RATINGS ($T_A=25^{\circ}\text{C}$)

PARAMETER	SYMBOL	RATINGS	UNIT
Reverse Voltage (Repetitive Peak)	V_{RM}	80	V
Reverse Voltage (DC)	V_R	80	V
Forward Current (Single)	I_{FM}	300	mA
Average Rectified Forward Current	I_O	100	mA
Surge Current ($t=1\mu\text{s}$)	I_{surge}	4	A
Power Dissipation	P_D	200	mW
Storage Temperature	T_{STG}	-55~+150	$^{\circ}\text{C}$
Junction Temperature	T_J	150	$^{\circ}\text{C}$

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 ($T_A=25^{\circ}\text{C}$)

PARAMETER	SYMBOL	TEST CONDITIONS	MIN	TYP	MAX	UNIT
Forward Voltage	V_F	$I_F=100\text{mA}$			1.2	V
Reverse Current	I_R	$V_R=70\text{V}$			0.1	μA
Reverse Recovery Time	T_{rr}	$V_R=6\text{V}, I_F=5\text{mA}, R_L=50\Omega$			4	ns
Capacitance Between Terminals	C_t	$V_R=6\text{V}, f=1\text{MHz}$			3.5	pF

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