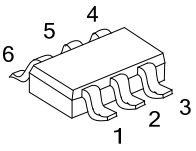
UMR11N

Preliminary ***DIODE***

SWITCHING DIODE



SOT-363

■ DESCRIPTION

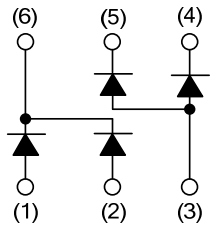
The UTC **UMR11N** is a small signal switching diode, it uses UTC's advanced technology to provide customers with high reliability, etc.

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

■ FEATURES

* High frequency application
* High reliability

■ SYMBOL



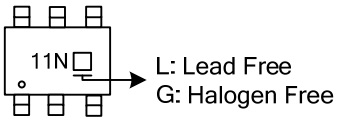
■ ORDERING INFORMATION

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

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

■ MARKING



■ ABSOLUTE MAXIMUM RATINGS (T_A=25°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 Retcified Forward Current	I_O	100	mA
Surge Current (t=1μs)	I_{surge}	4	A
Power Dissipation	P_D	200	mW
Storage Temperature	T_{STG}	-55~+150	°C
Junction Temperature	T_J	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)

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