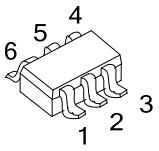
UZ5C056 Preliminary **DIODE**

PROTECTION IN PORTABLE ELECTRONICS APPLICATIONS



SOT-26
(SC-59-6)

■ DESCRIPTION

The UTC **UZ5C056** is a protection in portable electronics applications, it uses UTC's advanced technology to provide customers low operating current, low leakage current and low clamping voltage.

The UTC **UZ5C056** is suitable for PDA, Cell phone, Cordless phones and Notebooks, etc.

■ FEATURES

* Low operating current
* Low leakage current
* Low clamping voltage.

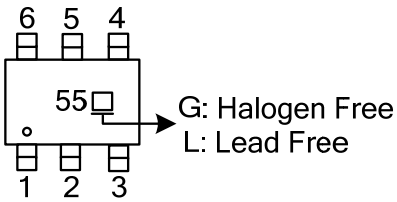
■ ORDERING INFORMATION

Ordering Number		Package	Packing
Lead Free	Halogen Free		
UZ5C056L-AG6-R	UZ5C056G-AG6-R	SOT-26	Tape Reel

UZ5C05L-AG6-R
(1)Packing Type
(2)Package Type
(3)Halogen Free

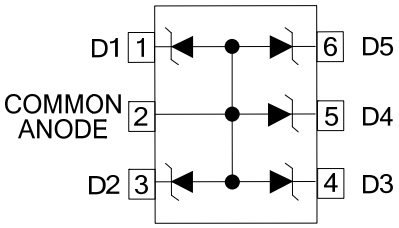
(1) R: Tape Reel
(2) AG6: SOT-26
(3) G: Halogen Free, L: Lead Free

■ MARKING



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■ PIN CONFIGURATION



■ PIN DESCRIPTION

PIN NO.	PIN NAME	DESCRIPTION
1	D1	Terminal of Cathode 1
2	COMMON ANODE	Terminal of Common Anode
3	D2	Terminal of Cathode 2
4	D3	Terminal of Cathode 3
5	D4	Terminal of Cathode 4
6	D5	Terminal of Cathode 5

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

PARAMETER	SYMBOL	RATINGS	UNIT
Peak Pulse Power (t_P=8/20μs)	P_{PK}	150	W
Peak Pulse Current (t_P=8/20μs)	I_{PP}	10	A
Junction Temperature	T_J	-55~150	°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
Reverse Stand-Off Voltage	V_{RWM}				5	V
Reverse Breakdown Voltage	V_{BR}	I_t=1mA	6.3			V
Reverse Leakage Current	I_R	V_{RWM}=5V			1	μA
Clamping Voltage	V_C	I_{PP}=10A, t_P=8/20μs			14.5	V
Junction Capacitance	C_J	V_R=0V, f=1MHz Between I/O Pins and GND			100	pF

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