

SURFACE MOUNT FAST SWITCHING DIODE

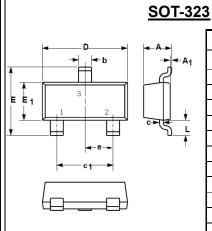
REVERSE VOLTAGE – 20 Volts FORWARD CURRENT – 0.1 Ampere

FEATURES

- · Fast switching speed
- Ideally suited for automatic insertion
- For general purpose switching applications

MECHANICAL DATA

- Case: SOT-323 Plastic
- Case material: "Green" molding compound, UL flammability classification 94V-0, (No Br. Sb. Cl)
- Moisture sensitivity: Level 1 per J-STD-020D
- Lead free in RoHS 2002/95/EC compliant



SOT-323			
Dim.	Min.	Max.	
Α	0.90	1.10	
A1	0.00	0.10	
b	0.20	0.40	
С	0.08	0.15	
D	2.00	2.20	
Е	2.15	2.45	
E1	1.15	1.35	
е	0.65 Typ.		
e1	1.20	1.40	
L	0.525 Ref.		
Dimensions in millimeter			

Maximum Ratings & Thermal Characteristics @ $T_A = 25^{\circ}C$ unless otherwise specified

Characteris	tic	Symbol	DA204U	Units
Non-Repetitive Peak Reverse Vo	ltage	V_{RM}	20	V
Repetitive Peak Reverse Voltage DC Blocking Voltage		$V_{RRM} \ V_{R}$	20	V
Forward Continuous Current		I _{FM}	200	mA
Average Rectified Output Curren	t	Io	100	mA
Non-Repetitive Peak Forward Surge Current	@t=1.0us	I _{FSM}	300	mA
Power Dissipation		P_{D}	200	mW
Operating Temperature Range		T _J	150	°C
Storage Temperature Range		T _{STG}	-55~+150	$^{\circ}$ C

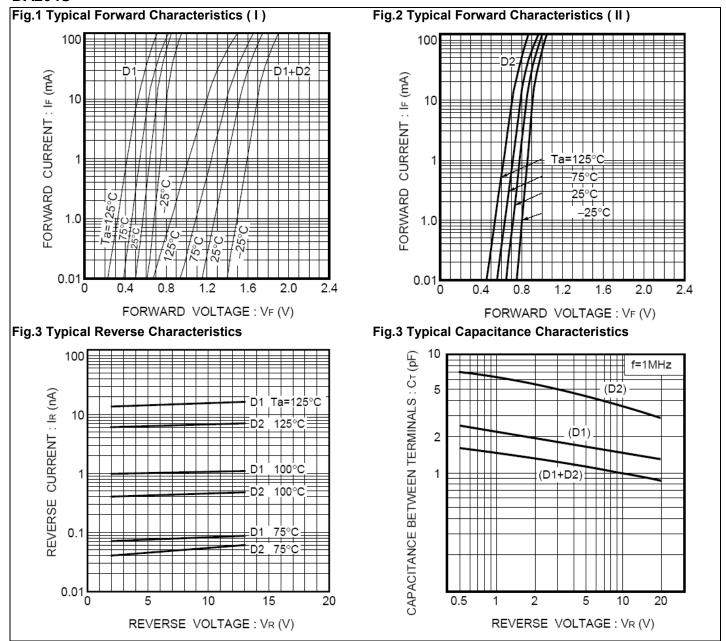
Electrical Characteristics @ T_A = 25°C unless otherwise specified

Characteristic	Test Condition	Symbol	Min.	Тур.	Max.	Unit
Reverse Breakdown Voltage	I _R = 100uA	V_{BR}	20			V
Maximum Forward Voltage	I _F = 10mA	V_{F}			1	V
Maximum DC Reverse Current at Rated DC Blocking Voltage	V _R = 15V	I _R			0.1	uA

REV. 2, Oct-2010, KSYR51

RATING AND CHARACTERISTIC CURVES DA204U





Device Marking:

Device P/N	Marking code	Equivalent Circuit Diagram
DA204U	К	3 0 0 1



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