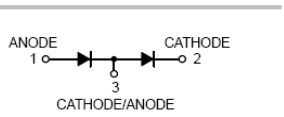
Switching Diodes DA204U

FEATURES

- Two diode elements are connected in series

HF





SOT-323

APPLICATIONS

- High speed switching application

ORDERING INFORMATION

Type No.	Marking	Package Code
DA204U	K	SOT-323

MAXIMUM RATING (@ T_A = 25°C unless otherwise specified)

Characteristic	Symbol	Limits	Unit
Reverse Voltage	V_R	20	V
Forward Current(DC)	I_F	200	mA
Surge forward Current t=1μs	I_{FS}	300	mA
Power Dissipation	P_D	200	mW
Operating Junction Temperature Range	T_j	150	°C
Storage Temperature Range	T_{STG}	-55 to +150	°C

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

Characteristic	Symbol	Min	MAX	UNIT	Test Condition
Reverse Breakdown Voltage	$V_{(BR)R}$	20	-	V	I_R= 100μA
Forward Voltage	V_F	-	1.0	V	I_F=10mA
Reverse Leakage Current	I_R	-	0.1	μA	V_R=15V
Capacitance Between Terminals *1	C_T	-	4	pF	V_R=6.0V f=1.0MHz

Note 1: b/w 1pin and 2pin

Switching Diodes DA204U

TYPICAL CHARACTERISTICS (@ T_A = 25°C unless otherwise specified)

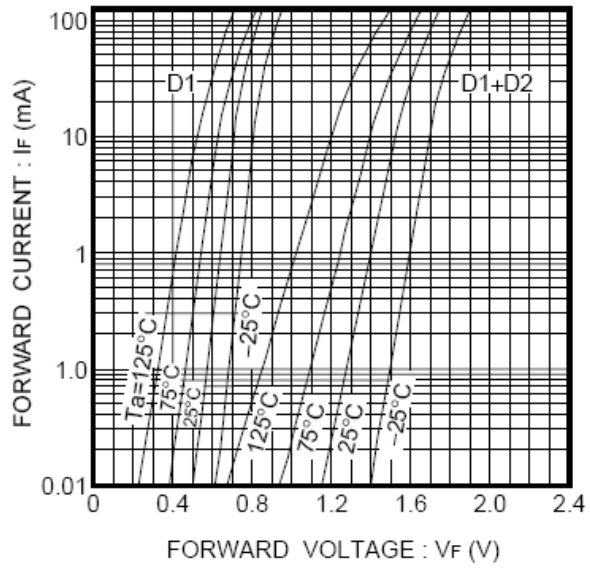


Fig.1 Forward characteristics

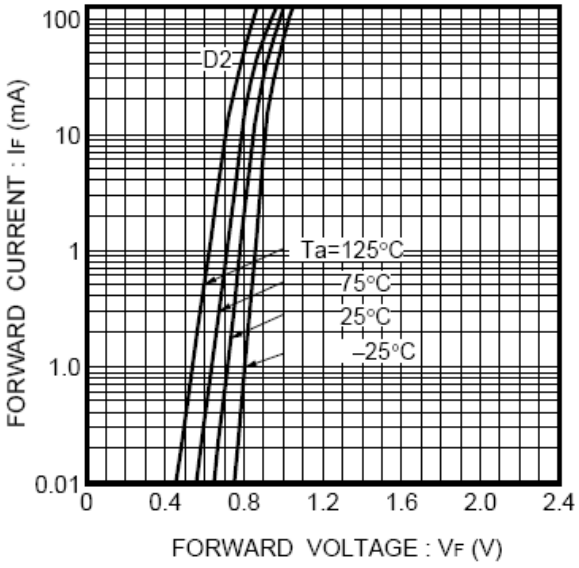


Fig.2 Forward characteristics

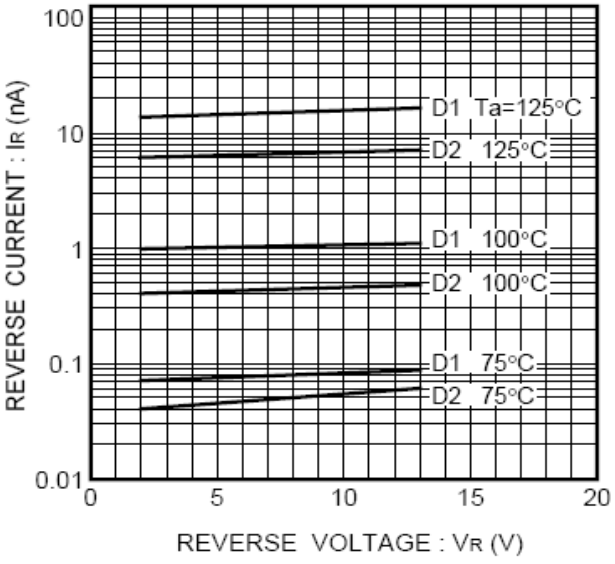


Fig.3 Reverse characteristics

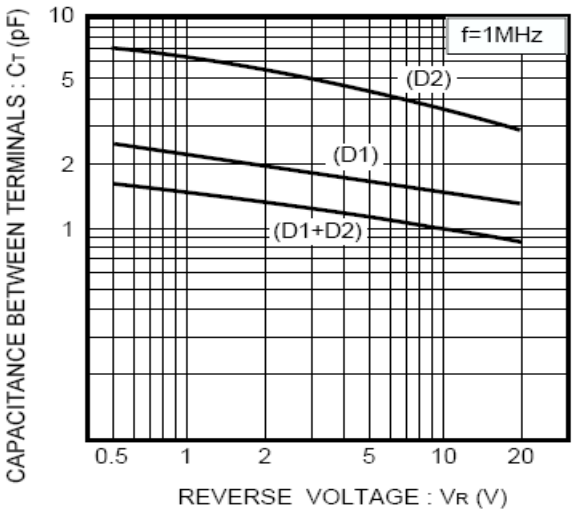
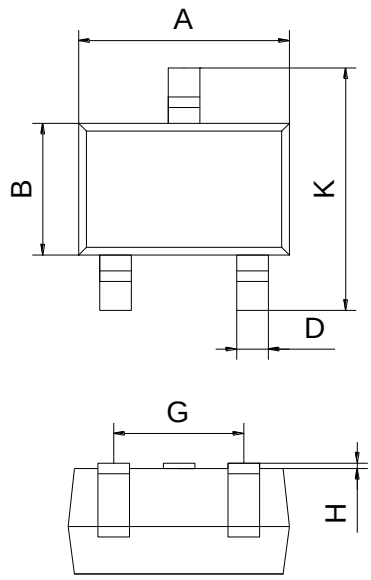


Fig.4 Capacitance between terminals characteristics

Switching Diodes DA204U

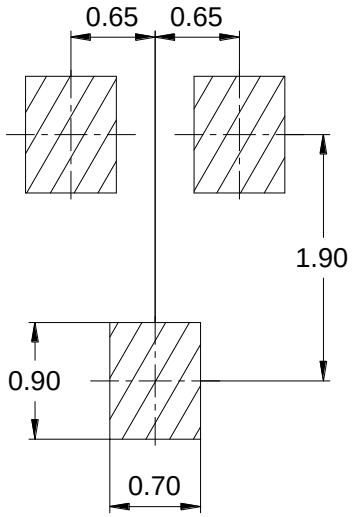
PACKAGE OUTLINE

Plastic surface mounted package SOT-323



SOT-323		
Dim	Min	Max
A	2.00	2.20
B	1.15	1.35
C	0.90	1.10
D	0.15	0.35
E	0.25	0.40
G	1.20	1.40
H	0.02	0.10
J	0.05	0.15
K	2.20	2.40
All Dimensions in mm		

SOLDERING FOOTPRINT



Unit: mm

PACKAGE INFORMATION

Device	Package	Shipping
DA204U	SOT-323	3000pcs / Tape & Reel