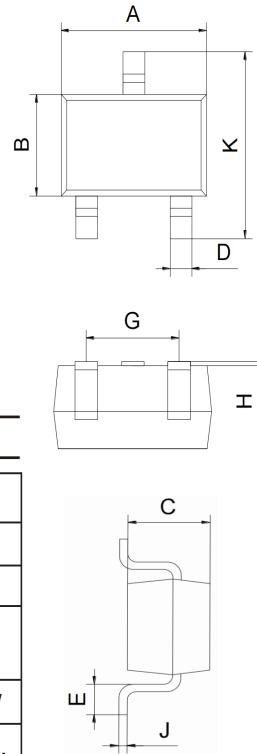


Features

- For high-speed switching applications.
- Connected in series.
- Marking Code:KJG

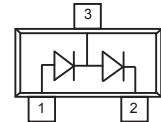


SOT-323		
Dim	Min	Max
A	2.00	2.20
B	1.10	1.30
C	0.85	1.05
D	0.15	0.35
E	0.25	0.45
G	1.20	1.40
H	0.01	0.10
J	0.05	0.15
K	2.15	2.45
All Dimensions in mm		

Maximum Ratings @ T_A = 25°C unless otherwise specified

Parameter	Symbol	Value	Unit
Reverse Voltage	V _R	75	V
Forward Current	I _F	150	mA
Non-Repetitive Peak Forward Surge Current at t=8.3ms	I _{FSM}	2.0	A
Power Dissipation	P _D	200	mW
Thermal Resistance Junction to Ambient	R _{JA}	625	/W
Storage Temperature Range	T _j , T _{stg}	- 55 to + 150	°C

Equivalent Circuit

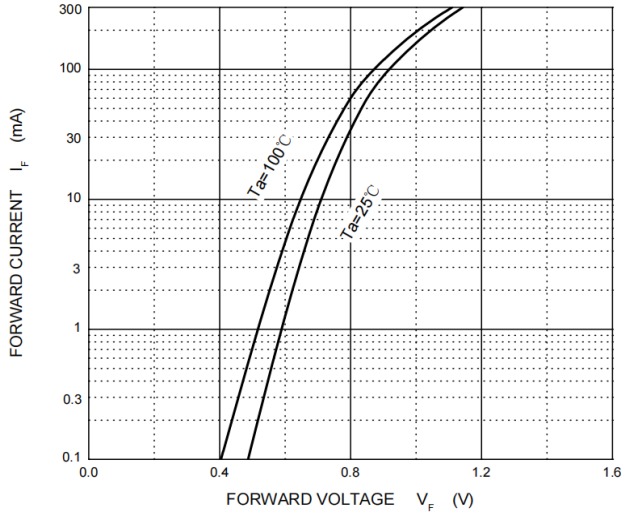


Electrical Characteristics @ T_A = 25°C unless otherwise specified

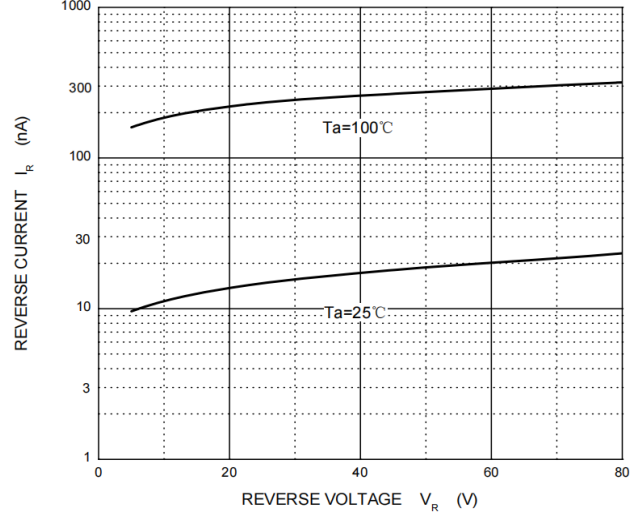
Parameter	Symbol	Min.	Max.	Unit
Forward Voltage at I _F = 1 mA at I _F = 10 mA at I _F = 50 mA at I _F = 150 mA	V _F	-	715	mV
	V _F	-	855	mV
	V _F	-	1	V
	V _F	-	1.25	V
Reverse Current at V _R = 25V at V _R = 75 V	I _R	-	25	nA
	I _R	-	2.5	μA
Reverse Breakdown Voltage at I _R = 100 μA	V _{(BR)R}	75	-	V
Diode Capacitance at V _R = 0, f = 1 MHz	C _D	-	2	pF
Reverse Recovery Time at I _F = I _R = 10 mA, I _{RR} = 1 mA, R _L = 100 Ω	t _{rr}	-	4	ns

TYPICAL TRANSIENT CHARACTERISTICS

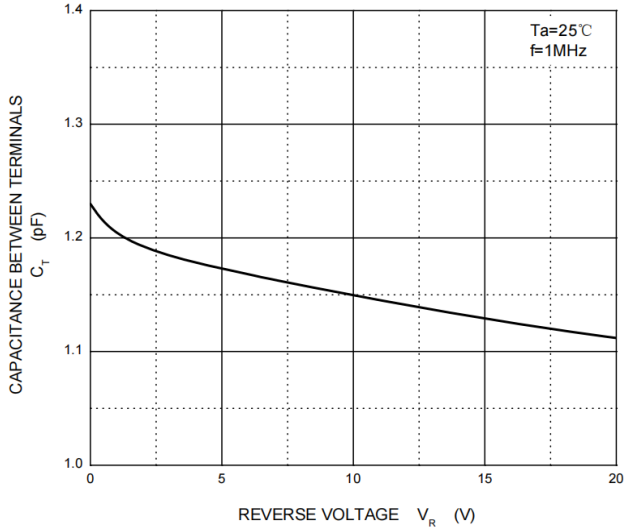
Forward Characteristics



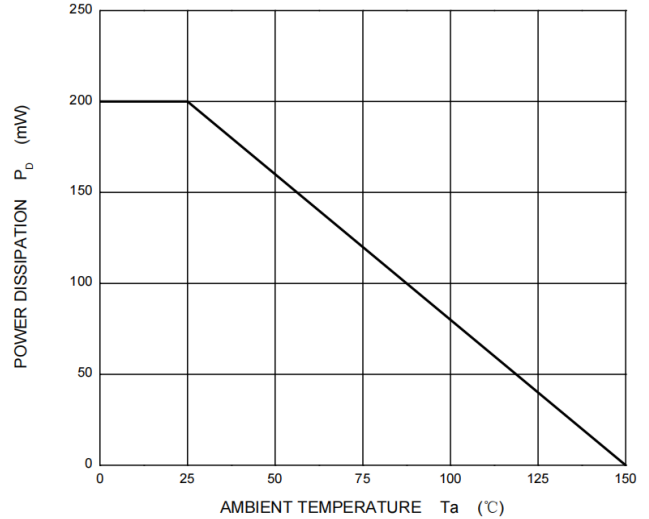
Reverse Characteristics



Capacitance Characteristics



Power Derating Curve



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