

SOT-323 SWITCHING DIODE

FEATURES

- * Power dissipation
P_D: 200 mW (T_{amb}=25°C)
- * Forward current
I_F: 150 mA
- * Reverse voltage
V_R: 75 V
- * Operating and storage junction temperature range
T_J, T_{stg}: -65°C to +150°C

MECHANICAL DATA

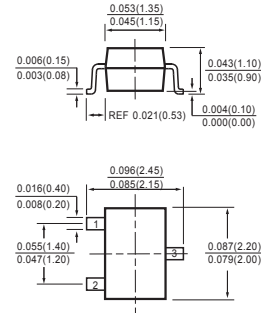
- * Case: Molded plastic
- * Epoxy: UL 94V-O rate flame retardant
- * Lead: MIL-STD-202E method 208C guaranteed
- * Mounting position: Any
- * Weight: 0.006 gram
- * Marking: KJG

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25 °C ambient temperature unless otherwise specified.



SOT-323



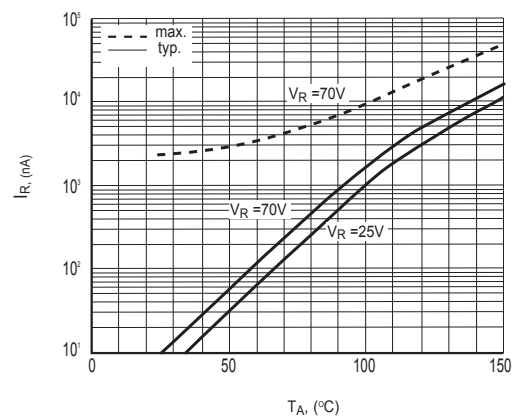
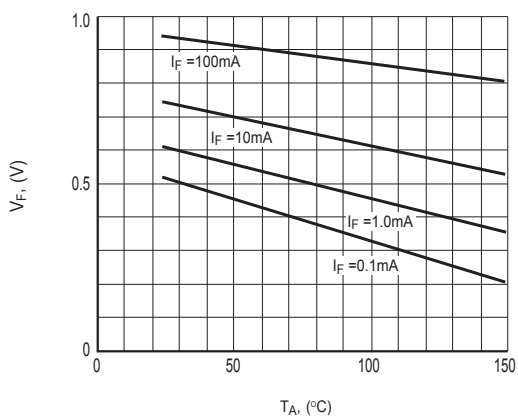
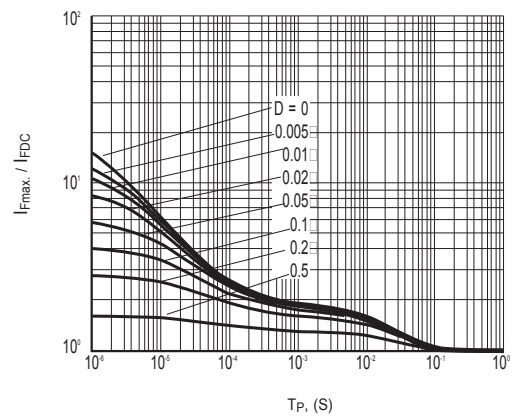
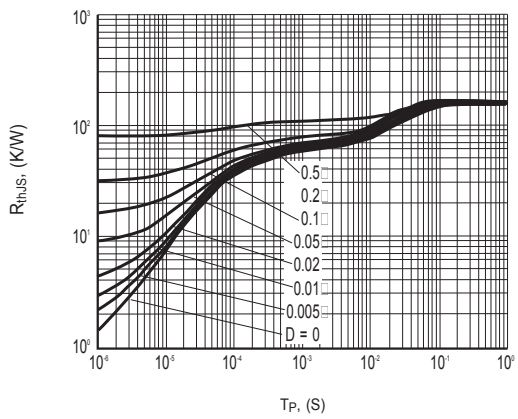
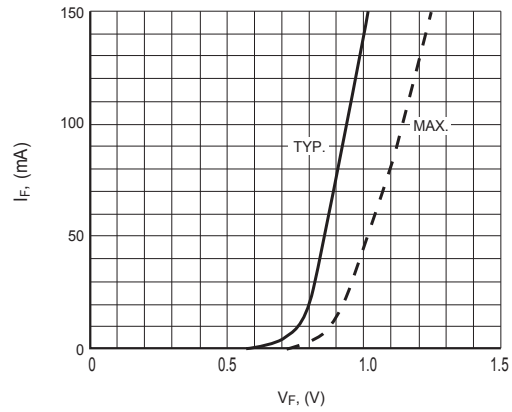
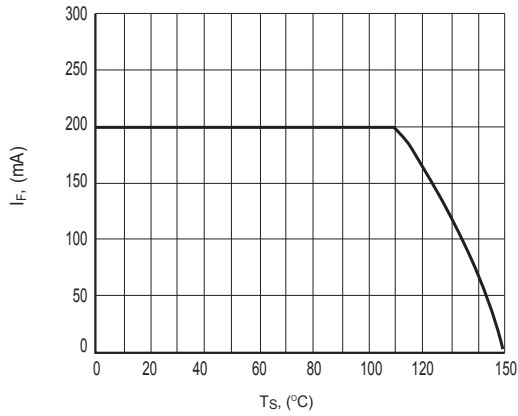
MAXIMUM RATINGS (@ T_A = 25°C unless otherwise noted)

PARAMETER	SYMBOL	LIMITS	UNITS
Reverse Voltage	V _R	75	V
Forward current	I _O	150	mA
Forward power dissipation	P _D	200	mW
Junction Temperature	T _J	150	°C
Storage Temperature	T _{STG}	-65 to +150	°C

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

CHARACTERISTICS	SYMBOL	MIN.	TYP.	MAX.	UNITS
Reverse Breakdown Voltage (I _R =100uA)	V _(BR)	75	-	-	V
Reverse voltage leakage current (V _R =75V) (V _R =20V)	I _R	-	-	2.5 25	uA nA
Forward voltage (I _F =1mA) (I _F =10mA) (I _F =50mA) (I _F =150mA)	V _F	-	-	715 855 1000 1250	mV
Diode capacitance (V _R =0V, f=1MHz)	C _D	-	-	2	pF
Reverse recovery time (I _F =I _R =10mA, I _{RR} =0.1X I _{RR} , R _L =100Ω)	t _{rr}	-	-	4	ns

RATING AND CHARACTERISTICS CURVES (BAV99W)



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