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BL GALAXY ELECTRICAL 1SS245

SMALL SIGNAL SWITCHING DIODE

REVERSE VOLTAGE: 250 V
CURRENT: 0.2 A

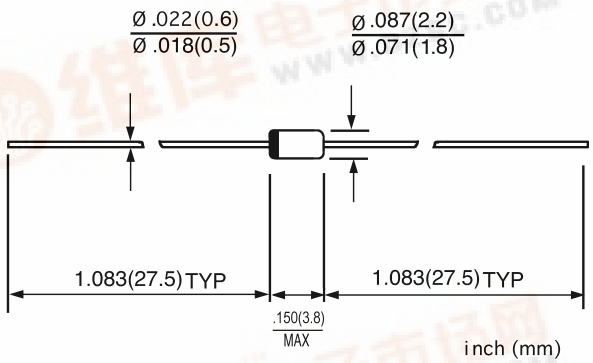
FEATURES

- ◇ Glass sealed envelope. (MSD)
- ◇ V_{RM}=250V guaranteed
- ◇ High reliability

MECHANICAL DATA

- ◇ Case: DO-35,glass case
- ◇ Polarity: Color band denotes cathode
- ◇ Weight: 0.004 ounces, 0.13 grams

DO - 35(GLASS)



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25℃ ambient temperature unless otherwise specified.
Single phase,half wave,50 Hz,resistive or inductive load. For capacitive load,derate by 20%.

		1SS245	UNITS
Maximum recurrent peak reverse voltage	V_{RRM}	250	V
Maximum DC blocking voltage	V_{DC}	220	V
Maximum average forward rectified current	$I_{F(AV)}$	0.2	A
Peak forward surge current 10ms single half-sine-wave superimposed on rated load	I_{FSM}	625.0	mA
Maximum instantaneous forward voltage@0.2 A	V_F	1.5	V
Maximum reverse current @V_R=220V	I_R	10.0	μA
Capacitance between terminals @V_R=0V,f=1MHz	C_T	3.0	pF
Power dissipation	P_{tot}	300	mW
Reverse recovery time I_F=20mA,I_R=20mA,R_L=50Ω	t_{rr}	75	ns
Operating junction temperature range	T_J	- 55 ---- + 175	℃
Storage temperature range	T_{STG}	- 55 ---- + 175	℃

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FIG.1 --FORWARD CHARACTERISTICS

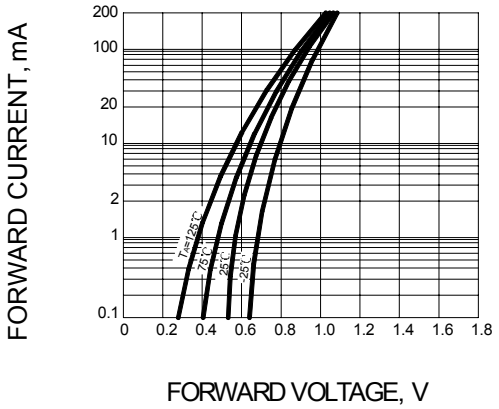

FIG.2 -- REVERSE CHARACTERISTICS

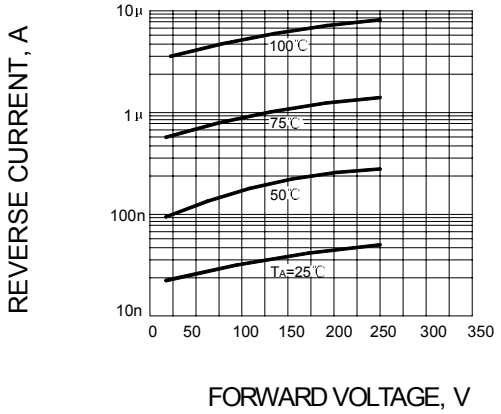

FIG.3 -- CAPACITANCE BETWEEN TERMINALS CHARACTERISTICS

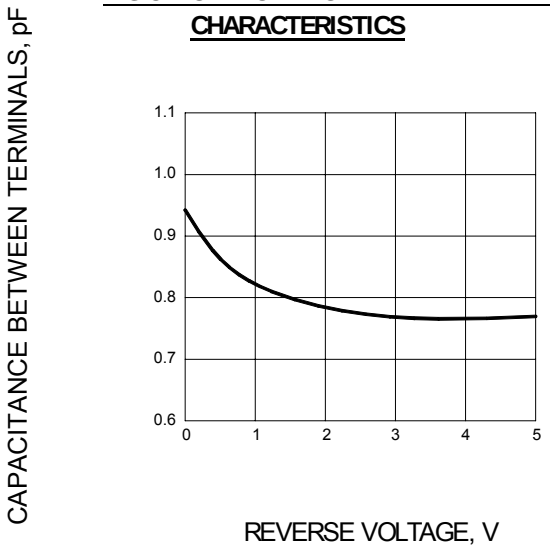

FIG.4 -- REVERSE RECOVERY TIME CHARACTERISTICS

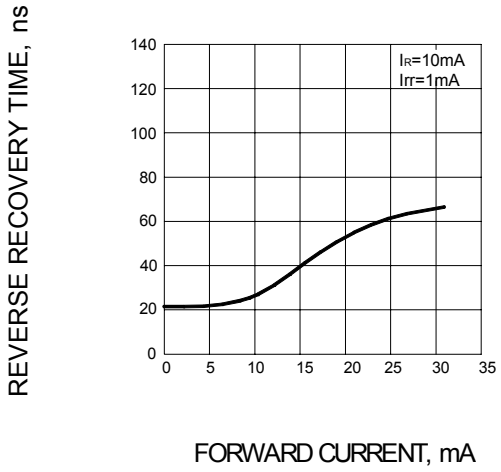

FIG.5 -- SURGE CURRENT CHARACTERISTICS

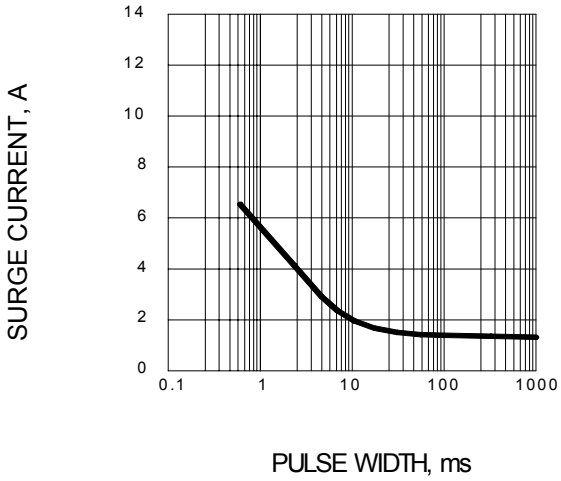
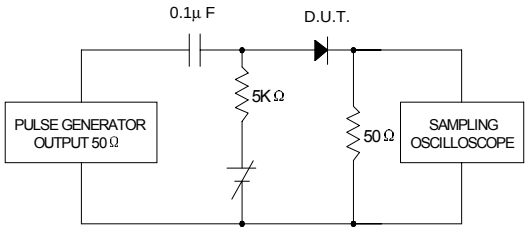
FIG.6 -- REVERSE RECOVERY TIME (trr) MEASUREMENT CIRCUIT