

ALTERNATOR DIODE FOR AUTOMOTIVE APPLICATION.

FEATURES

- Average Forward Current : $I_O=35A$.
- Zener Voltage : 23V(Typ.)

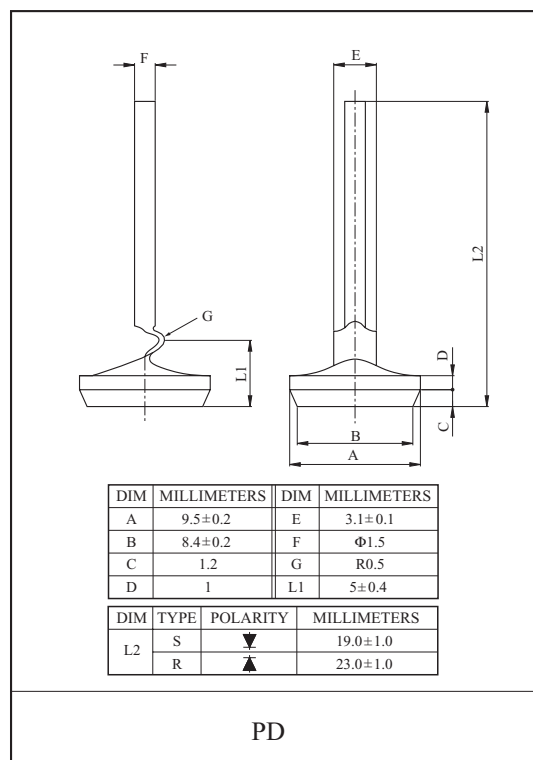
POLARITY

E35A23VDS (+ Type)

E35A23VDR (- Type)

MAXIMUM RATING ($T_a=25^\circ C$)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Average Forward Current	$I_{F(AV)}$	35	A
Peak 1 Cycle Surge Current	I_{FSM}	350 (10ms Condition)	A
Repetitive Peak Reverse Voltage	V_{RRM}	17	V
Junction Temperature	T_j	-40 ~ 200	$^\circ C$
Storage Temperature Range	T_{stg}	-40 ~ 200	$^\circ C$

ELECTRICAL CHARACTERISTICS ($T_a=25^\circ C$)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Peak Forward Voltage	V_{FM}	$I_{FM}=100A$	-	-	1.15	V
Reverse Voltage	V_Z	$I_R=10mA$	20	23	26	V
Repetitive Peak Reverse Current	I_{RRM}	$V_R=17V$	-	-	10	μA
Zener Voltage Temperature Coefficient	α_T	$I_Z=10mA$	-	0.077	-	%/ $^\circ C$
Reverse Leakage Current Under High Temperature	H_{IR}	$T_a=150^\circ C, V_R=V_{RM}$	-	-	2.5	mA
Temperature Resistance	R_{th}	Junction to case	-	0.8	-	$^\circ C/W$