

ALTERNATOR DIODE FOR AUTOMOTIVE APPLICATION.

FEATURES

- Average Forward Current : $I_O=35A$.
- Reverse Voltage : 200V(Min)

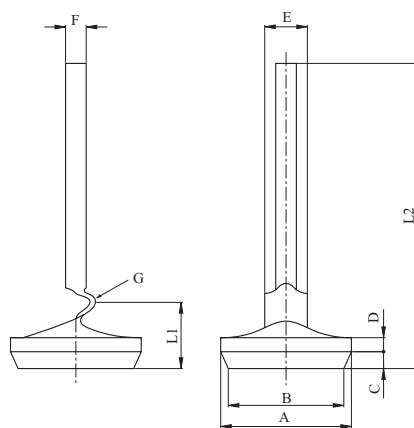
POLARITY

E35A2CDS E35A2CDR

(+ Type) (- Type)

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

CHARACTERISTIC	SYMBOL	RATING	UNIT
Average Forward Current	$I_{F(AV)}$	35	A
Peak 1 Cycle Surge Current	I_{FSM}	350 (60Hz)	A
Repetitive Peak Reverse Voltage	V_{RRM}	200	V
Junction Temperature	T_j	$-40 \sim 200$	$^\circ\text{C}$
Storage Temperature Range	T_{stg}	$-40 \sim 200$	$^\circ\text{C}$



DIM	MILLIMETERS	DIM	MILLIMETERS
A	9.5 ± 0.2	E	3.1 ± 0.1
B	8.4 ± 0.2	F	$\Phi 1.5$
C	1.2	G	$R0.5$
D	1	L1	5 ± 0.4

DIM	TYPE	POLARITY	MILLIMETERS
L2	S		19.0 ± 1.0
	R		23.0 ± 1.0

PD

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

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Forward Voltage	V_F	$I_{FM}=100A$	-	-	1.05	V
Reverse Voltage	V_R	$I_R=5mA$	200	-	-	V
Reverse Current	I_R	$V_R=200V$	-	-	50	μA
Reverse Recovery Time	t_{rr}	$I_F=0.1A, I_R=0.1A$	-	-	15	μS
Reverse Leakage Current Under High Temperature	HI_R	$T_a=150^\circ\text{C}, V_R=200v$	-	-	2.5	mA
Temperature Resistance	R_{th}	DC total Junction to case	-	0.8	-	$^\circ\text{C}/W$