E35A2CPS, E35A2CPR

STACK SILICON DIFFUSED DIODE

ALTERNATOR DIODE FOR AUTOMOTIVE APPLICATION.

FEATURES

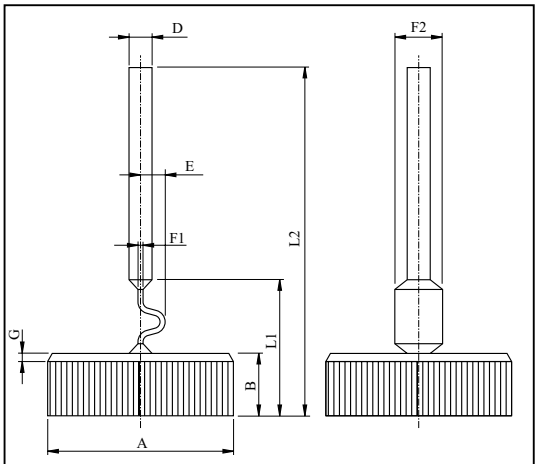
· Average Forward Current : I_O=35A.

· Reverse Voltage : 200V(Min.)

POLARITY

E35A2CPS (+ Type)

E35A2CPR (- Type)



DIM	MILLIMETERS	DIM	MILLIMETERS
A	Φ11.7+0.1/-0	F1	0.32
B	3.85+0/-0.2	F2	3.1
D	Φ1.45±0.1	G	0.5
E	1.55	L1	8.4 MAX

DIM	TYPE	POLARITY	MILLIMETERS
L2	S	▼	17.5+0/-1.5
	R	▲	21.5+0/-1.5

PF

MAXIMUM RATING (Ta=25℃)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Average Forward Current	$I_{F(AV)}$	35	A
Peak 1 Cycle Surge Current	I_{FSM}	360 (60Hz)	A
Repetitive Peak Reverse Voltage	V_{RRM}	200	V
Junction Temperature	T_j	-40 ~200	℃
Storage Temperature Range	T_{stg}	-40 ~200	℃

ELECTRICAL CHARACTERISTICS (Ta=25℃)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Forward Voltage	V_F	I_{FM}=100A	-	-	1.15	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	Ta=150℃, V_R=200V	-	-	2.5	mA
Temperature Resistance	R_{th}	Junction to Case	-	0.83	-	℃/W
		Junction to Fin	-	1.03	-	