E35A37VR

STACK SILICON DIFFUSED DIODE

ALTERNATOR DIODE FOR AUTOMOTIVE APPLICATION.

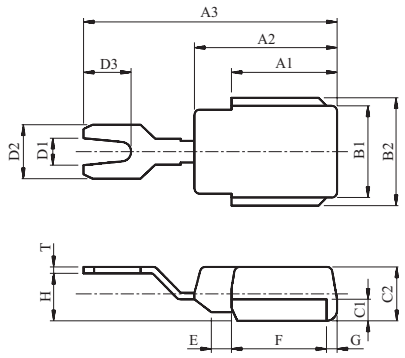
FEATURES

· Average Forward Current = 35A.

· Zener Voltage : 37V(Typ.)

POLARITY

E35A37VR (- Type)



DIM	MILLIMETERS	DIM	MILLIMETERS
A1	10.0±0.3	D2	5.0±0.3
A2	13.5±0.3	D3	4.5±0.3
A3	24.0±0.5	E	1.9±0.3
B1	8.5±0.3	F	9.0±0.3
B2	10.0±0.3	G	1.0±0.3
C1	2.0±0.3	H	4.4±0.5
C2	5.0±0.3	T	0.6±0.3
D1	2.5±0.3		

MR

MAXIMUM RATING (Ta=25℃)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Average Forward Current	$I_{F(AV)}$	35	A
Peak 1 Cycle Surge Current	I_{FSM}	300 (60Hz)	A
Repetitive Peak Reverse Surge Current (Pulse width=10mS)	I_{RSM}	60	A
Transient Peak Reverse Voltage	V_{RSM}	34	V
Peak Reverse Voltage	V_{RM}	32	V
Junction Temperature	T_j	-55 ~ 190	℃
Storage Temperature Range	T_{stg}	-55 ~ 190	℃

ELECTRICAL CHARACTERISTICS (Ta=25℃)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Forward Voltage	V_F	I_{FM}=100A	-	-	1.20	V
Zener Voltage	V_Z	I_Z=10mA	34	37	40	V
Reverse Current	I_R	V_R=32V	-	-	10	μA
Transient Thermal Resistance	ΔV_F	I_{FM}=100A, I_M=100mA, Pw=100mS	-	-	100	mV
Reverse Leakage Current Under High Temperature	HI_R	Ta=150℃, V_R=32V	-	-	2,500	μA
Temperature Resistance	R_{th}	DC total junction to case	-	-	1.0	℃/W