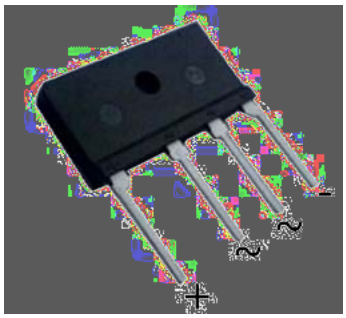
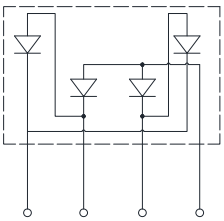
RoHS
COMPLIANT





- UL recognition, file #E230084
- based on silicon planar process
- Low VF
- Thin single in-line package
- High surge current capability
- Solder dip 275 °C max. 7 s, per JESD 22-B106

General purpose use in AC/DC bridge full wave rectification for switching power supply, home appliances, office equipment, industrial automation applications.

- : JA
  Molding compound meets UL 94 V-0 flammability rating, RoHS-compliant, Halogen free
- : Tin plated leads, solderable per J-STD-002 and JESD22-B102
- As marked on body

■ (T_a=25 Unless otherwise specified

Device marking code			D25JAU60
Maximum Repetitive Peak Reverse Voltage	V_{RRM}	V	600
Maximum RMS Voltage	V_{RMS}	V	420
Maximum DC blocking Voltage	V_{DC}	V	600
Average Rectified Output Current @60Hz sine wave, R-load — With heatsink T_C =105	I_O	A	25.0
Average Rectified Output Current @60Hz sine wave, R-load — Without heatsink T_a =25	I_O	A	4.0
Forward Surge Current (Non-repetitive) @60Hz Half-sine wave,1 cycle, Tj=25	I_{FSM}	A	360
Current squared time @1ms≤t≤8.3ms Tj=25 ,rating of per diode	I^2t	A^2S	538
Storage temperature	T_{stg}		-55 ~ +150
Junction temperature	T_j		-55 ~ +150
Dielectric strength @ Terminals to case, AC 1 minute	V_{dis}	KV	2
Mounting torque @Recommend torque 5kg cm	Tor	kg cm	8

■ T_a=25 Unless otherwise specified

Instantaneous forward voltage drop per diode	V_F	V	I_{FM}=12.5A	0.80	0.88	0.92
DC reverse current at rated DC blocking voltage per diode	I_R	μA	T_j=25	-	0.005	5
			T_j=125	-	-	50
Junction capacitance	Cj	pF	Measured at 1MHz and Applied Reverse Voltage of 4.0 V.D.C	85	190	380

■ T_a=25 Unless otherwise specified

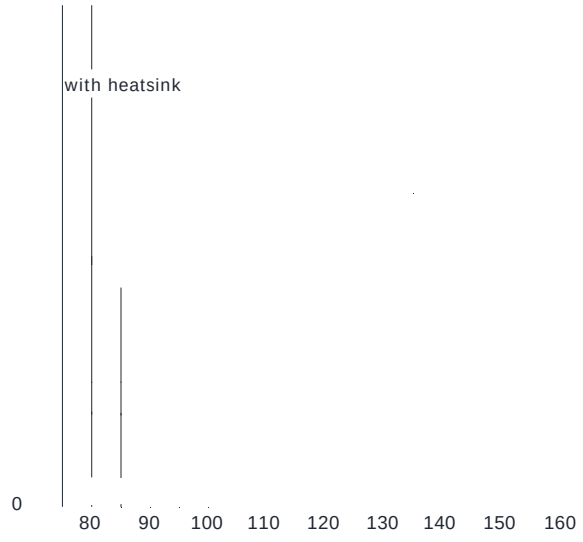
Thermal Resistance	Between junction and ambient, Without heatsink	$R_{\theta J-A}$	/W	18.0
	Between junction and lead, With heatsink	$R_{\theta J-L}$		2.5
	Between junction and case, With heatsink	$R_{\theta J-C}$		1.0

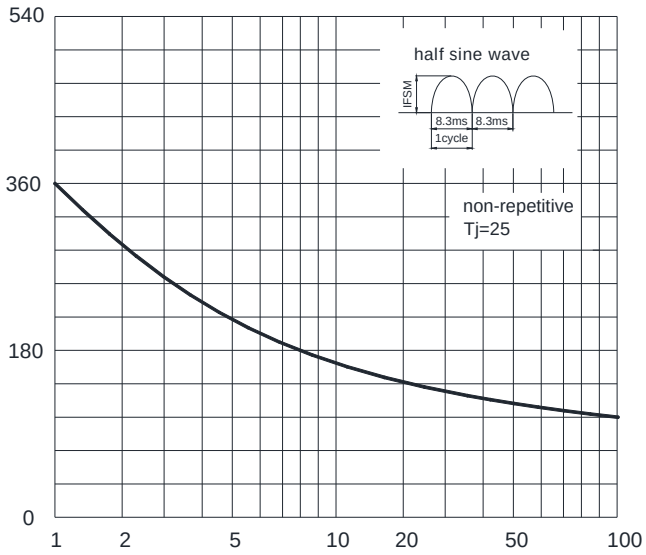
Note: Device mounted on 75mm x 45mm x 5.5mm Aluminum Plate Heatsink.

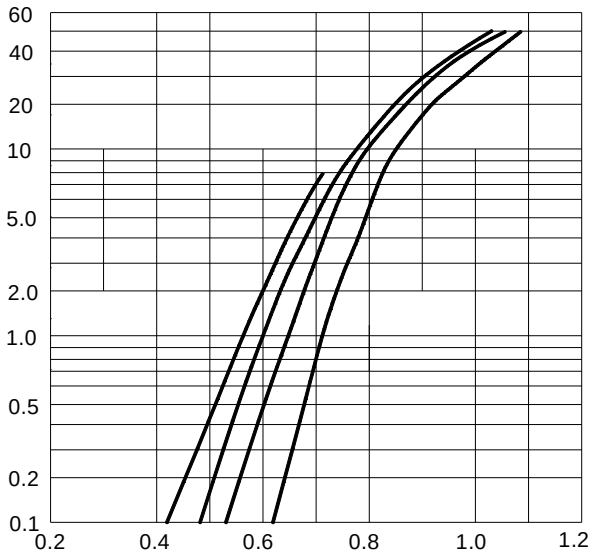
■ (Example)

	B1	Approximate 4.3	15	750	1500	Tube

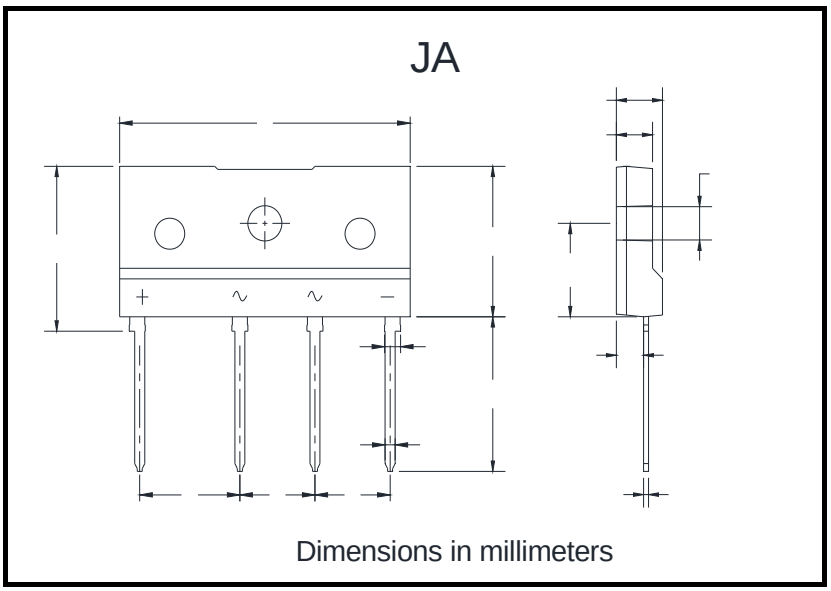
■ (Typical)







■



Dim	Min	Max
A	15.6	16.2
B	28.7	29.3
C	14.2	14.8
D	1.5	1.7
E	14.6	15.2
F	7.3	7.7
G	0.9	1.1
H	4.3	4.9
I	3.3	3.9
J	3.1	3.4
K	8.7	9.3
L	2.5	2.9
M	0.4	0.6
N	9.8	10.2

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