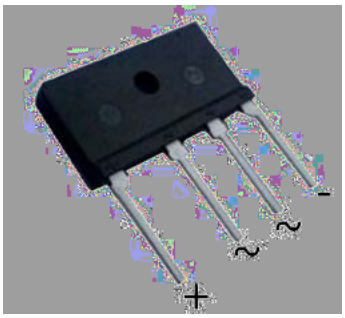
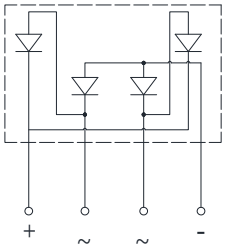
RoHS
COMPLIANT





- UL recognition, file #E230084
- Glass passivated chip junction
- 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 D20JA05 Ut " V_{RMS} V 35

Maximum DC blocking Voltage		V_{DC}	V	50	100	200	400	600	800	1000
Average Rectified Output Current @60Hz sine wave, R-load	With heatsink T_C =90	I_O	A	20.0						
	Without heatsink T_a =25			3.3						
Forward Surge Current (Non-repetitive) @60Hz Half-sine wave,1 cycle, Tj=25		I_{FSM}	A	240						
Forward Surge Current (Non-repetitive) @1ms, square wave, 1 cycle, Tj=25				480						
Current squared time @1ms≤t≤8.3ms Tj=25 ,rating of per diode		I^2t	A^2S	240						
Storage temperature		Tstg		-55 ~ +150						
Junction temperature		Tj		-55 ~ +150						
Dielectric strength @ Terminals to case, AC 1 minute		Vdis	KV	2						
Mounting torque @Recommend torque 5kg cm		Tor	kg cm	8						

■ T_a=25 Unless otherwise specified

Maximum instantaneous forward voltage drop per diode	V_F	V	I_{FM}=10.0A	1.0						
Maximum DC reverse current at rated DC blocking voltage per diode	I_R	μA	T_j=25	5						
			T_j=125	100						
Typical junction capacitance	Cj	pF	Measured at 1MHz and Applied Reverse Voltage of 4.0 V.D.C	83						

■ T_a=25 Unless otherwise specified

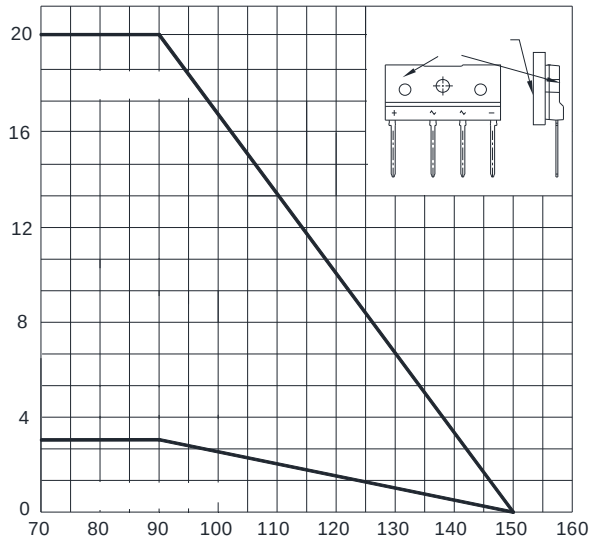
Thermal Resistance	Between junction and ambient, Without heatsink	$R_{\theta J-A}$	/W	22.0						
	Between junction and case, With heatsink	$R_{\theta J-C}$		1.5						

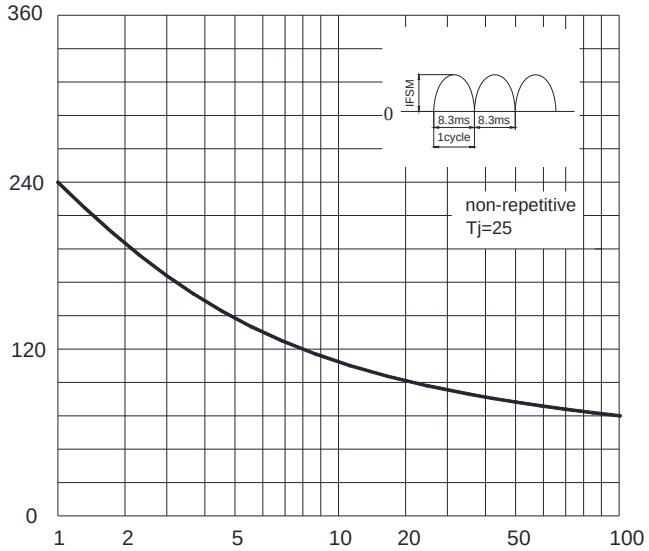
Note: Device mounted on 75mm x 45mm x 5.5mm Aluminum Plate Heatsink.

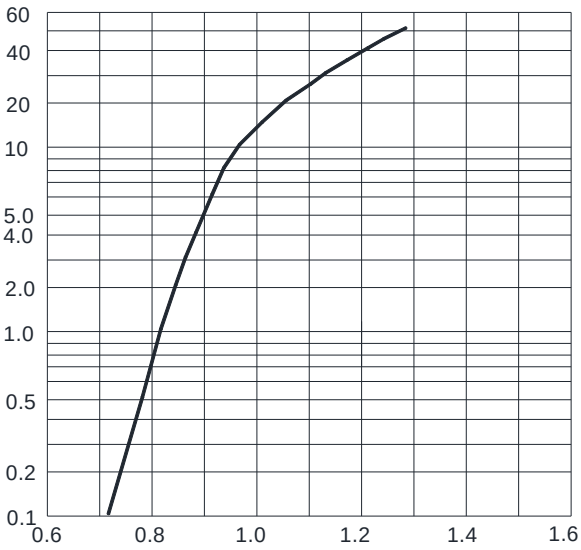
■ (Example)

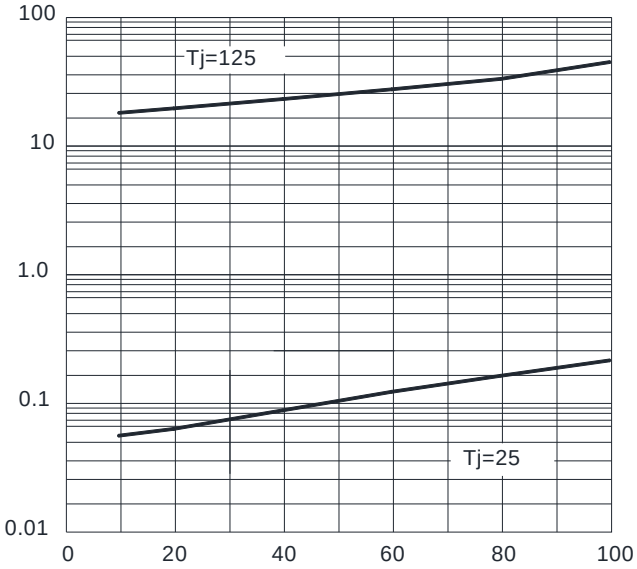
D20JA05 ~ D20JA100	B1	Approximate 4.3	15	750	1500	Tube

■ (Typical)

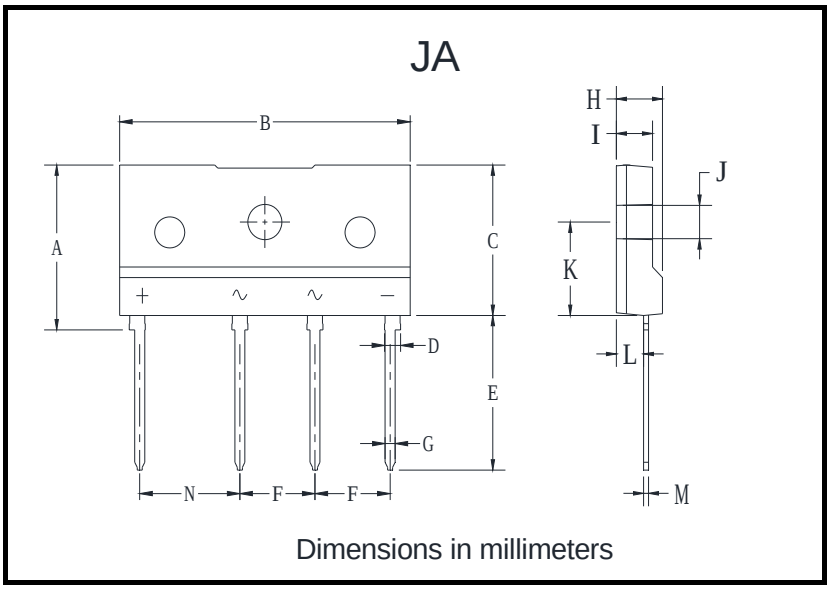








■



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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