

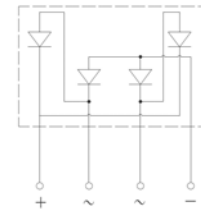
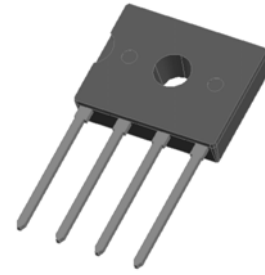
D2UB05 THRU D2UB100

Bridge Rectifiers

Reverse Voltage - 50 to 1000 V

Forward Current - 2 A

D3K



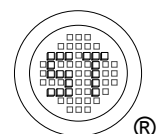
Features

- Ideal for printed circuit boards
- High surge current capability

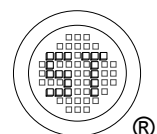
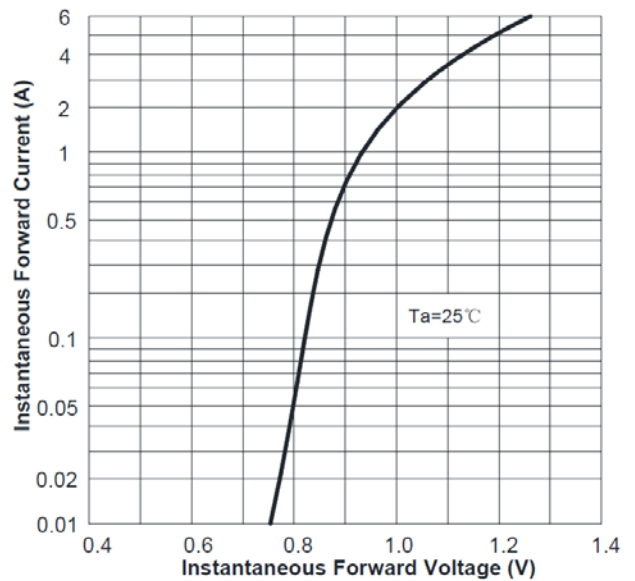
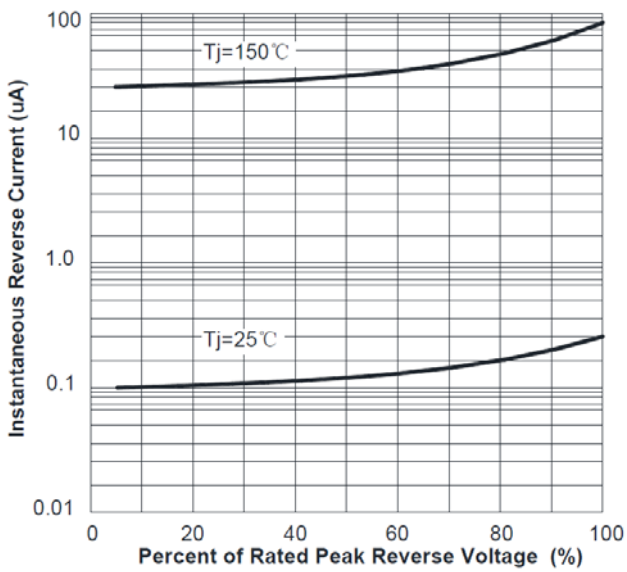
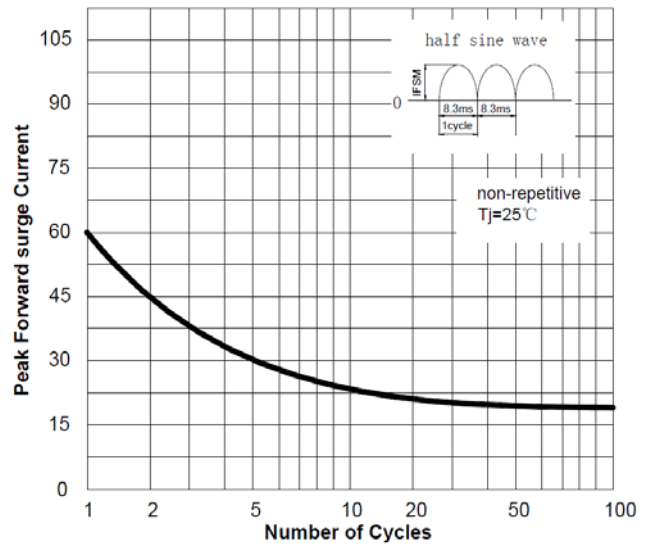
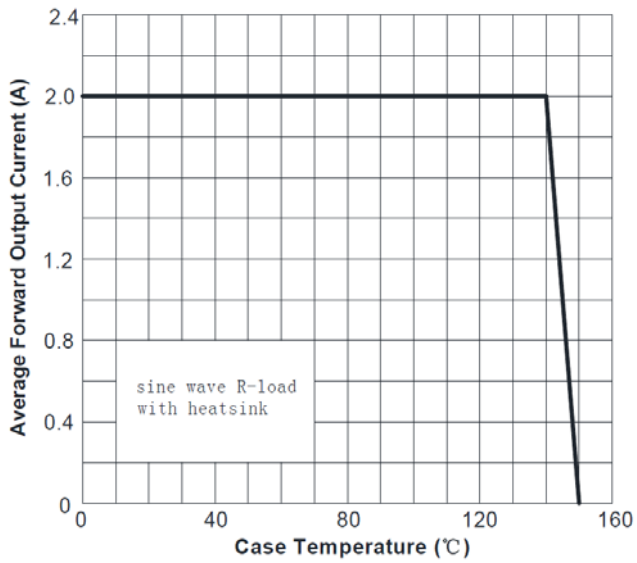
Maximum Ratings and Electrical Characteristics

Ratings at $T_a = 25\text{ }^\circ\text{C}$ ambient temperature unless otherwise specified.

Parameter	Symbols	D2UB05	D2UB10	D2UB20	D2UB40	D2UB60	D2UB80	D2UB100	Units
	Marking	D2UB05	D2UB10	D2UB20	D2UB40	D2UB60	D2UB80	D2UB100	-
Maximum Repetitive Peak Reverse Voltage	V_{RRM}	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Current With heatsink $T_C = 140\text{ }^\circ\text{C}$ Without heatsink $T_a = 29\text{ }^\circ\text{C}$	$I_{F(AV)}$	2 1.2							A
Peak Forward Surge Current 8.3 ms Single Half Sine-wave Superimposed on Rated Load (JEDEC Method)	I_{FSM}	60							A
Maximum Forward Voltage at 1 A	V_F	1.05							V
Maximum DC Reverse Current ($V_{RM}=V_{RRM}$)	I_R	5							μA
Thermal Resistance Junction to Case	$R_{\theta JC}$	1.5							$^\circ\text{C/W}$
Thermal Resistance Junction to Ambient	$R_{\theta JA}$	55							$^\circ\text{C/W}$
Operating and Storage Temperature Range	T_j, T_{stg}	- 55 to + 150							$^\circ\text{C}$



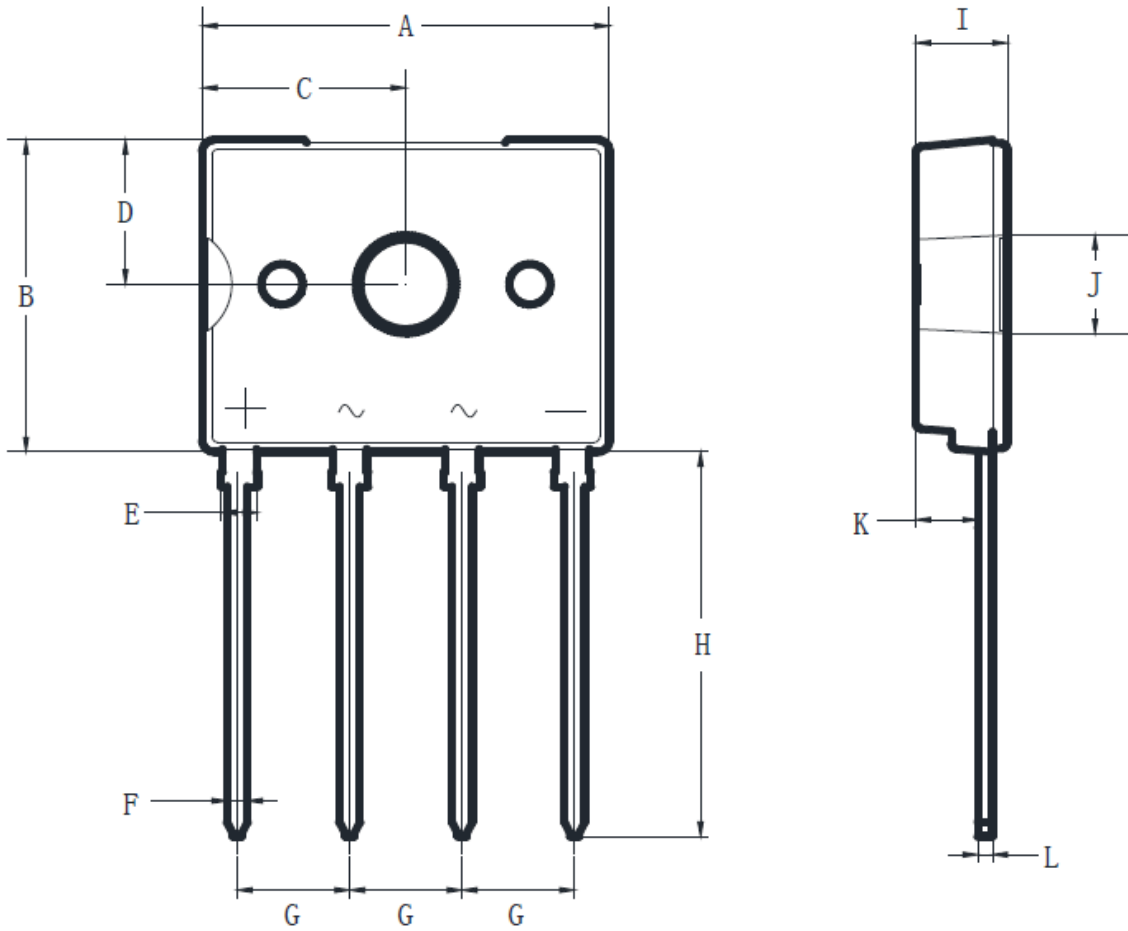
D2UB05 THRU D2UB100



D2UB05 THRU D2UB100

Package Outline (Dimensions in mm)

D3K



Dim	A	B	C	D	E	F	G	H	I	J	K	L
Min	13.30	10.30	6.40	4.50	1.05	0.60	3.70	13.10	2.60	3.10	2.00	0.40
Max	14.30	11.30	7.40	5.50	1.45	0.85	3.90	13.50	3.60	3.40	2.20	0.60

