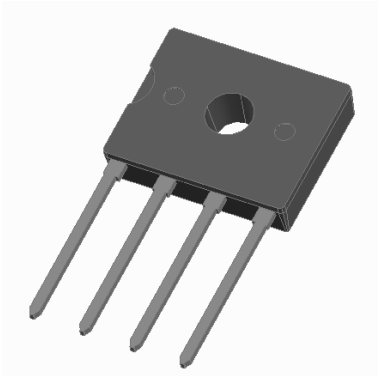
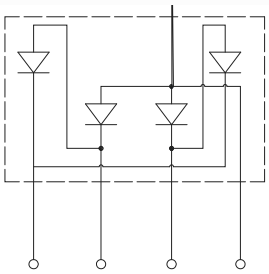
D2UB05 THRU D2UB100

RoHS
COMPLIANT





■Maximum Ratings (T_a=25 Unless otherwise specified

PARAMETER		SYMBOL	UNIT	D2UB05	D2UB10	D2UB20	D2UB40	D2UB60	D2UB80	D2UB100
Device marking code				D2UB05	D2UB10	D2UB20	D2UB40	D2UB60	D2UB80	D2UB100
Maximum Repetitive Peak Reverse Voltage		V_{RRM}	V	50	100	200	400	600	800	1000
Maximum RMS Voltage		V_{RMS}	V	35	70	140	280	420	560	700
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 =140	I_O	A	2.0						
	Without heatsink T_a =25			1.2						
Forward Surge Current (Non-repetitive) @60Hz Half-sine wave,1 cycle, Tj=25		I_{FSM}	A	60						
Forward Surge Current (Non-repetitive) @1ms, square wave, 1 cycle, Tj=25				120						
Current squared time @1ms≤t≤8.3ms Tj=25 , Rating of per diode		I^2t	A^2s	15						
Storage temperature		T_{stg}		-55 ~ +150						
Junction temperature		T_j		-55 ~ +150						
Dielectric strength @ Terminals to case, AC 1 minute		Vdis	KV	2						
Mounting torque @Recommend torque 5kg cm		Tor	kg cm	8						

Y " ● Terminals Tin plated leads, solderable per J-STD-002 and JESD22-B102

● **Polarity:** As marked on body

■Electrical Characteristics T_a=25 Unless otherwise specified

PARAMETER	SYMBOL	UNIT	TEST CONDITIONS	D2UB05	D2UB10	D2UB20	D2UB40	D2UB60	D2UB80	D2UB100
Maximum instantaneous forward voltage drop per diode	V_F	V	I_{FM}=1.0A	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	19						

■Thermal Characteristics T_a=25 Unless otherwise specified

PARAMETER		SYMBOL	UNIT	D2UB05	D2UB10	D2UB20	D2UB40	D2UB60	D2UB80	D2UB100
Thermal resistance	Between junction and ambient, Without heatsink	$R_{\theta J-A}$	/W	55.0						
	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.

■Ordering Information (Example)

PREFERED P/N	PACKING CODE	UNIT WEIGHT(g)	MINIIMUM PACKAGE(pcs)	INNER BOX QUANTITY(pcs)	OUTER CARTON QUANTITY(pcs)	DELIVERY MODE
D2UB05 - D2UB100	B1	Approximate 1.356	25	1500	6000	TUBE

■ Characteristics (Typical)

FIG1:Io-Tc Curve

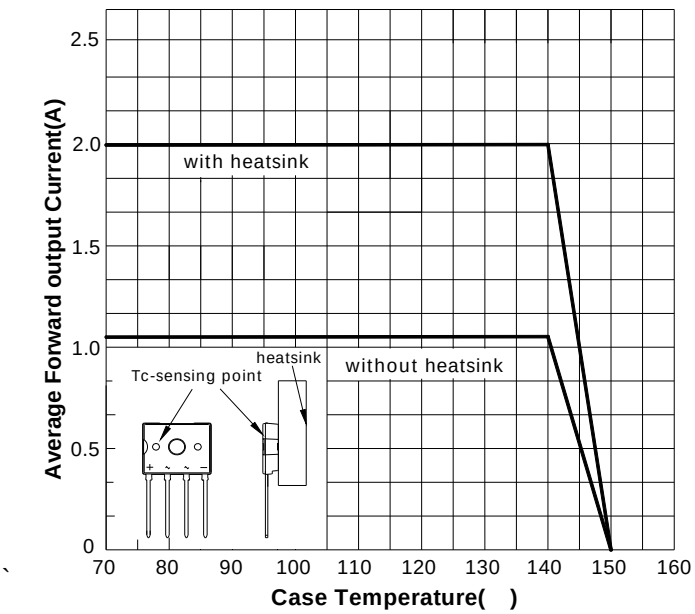
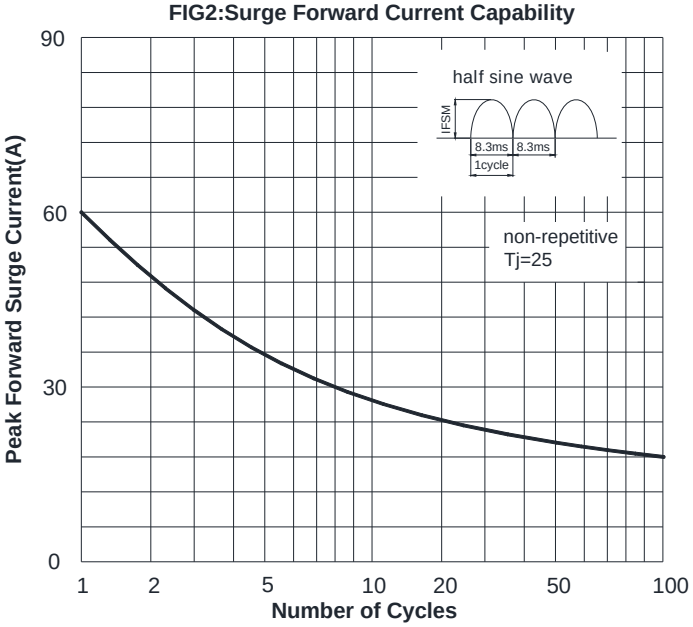
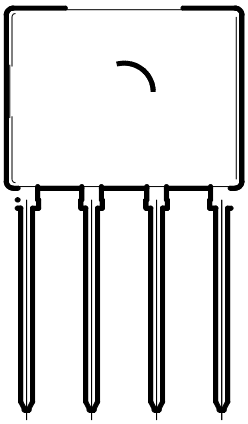


FIG2:Surge Forward Current Capability



■ **Outline Dimensions**

D3K



D3K		
Dim	Min	Max
A	13.30	14.30
B	10.30	11.30
C	6.40	7.40
D	4.50	5.50
E	1.05	1.45
F	0.60	0.85
G	3.70	3.90
H	13.10	13.50
I	2.60	3.60
J	3.10	3.40
K	2.00	2.20
L	0.40	0.60
M	0.90	1.50

Dimensions in millimeters

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The product listed herein is designed to be used with ordinary electronic equipment or devices, and not designed to be used with equipment or devices which require high level of reliability and the malfunction of with would directly endanger human life (such as medical instruments, transportation equipment, aerospace machinery, nuclear-reactor controllers, fuel controllers and other safety devices), Yangjie or anyone on its behalf, assumes no responsibility or liability for any damages resulting from such improper use of sale.

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