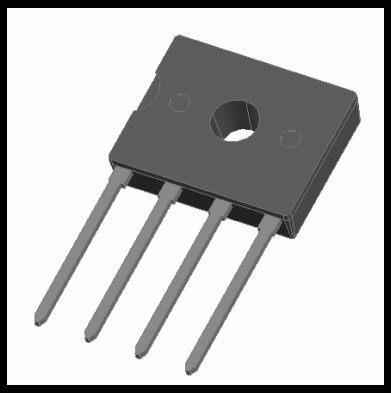
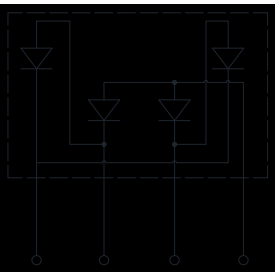
RoHS
COMPLIANT





@1ms≤t≤8.3ms Tj=25 , Rating of per diode	I^2t	A^2s	102.4
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

■Electrical Characteristics T_a=25 Unless otherwise specified

PARAMETER	SYMBOL	UNIT	TEST CONDITIONS	D8UB05	D8UB10	D8UB20	D8UB40	D8UB60	D8UB80	D8UB100
Maximum instantaneous forward voltage drop per diode	V_F	V	I_{FM}=4.0A	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	53						

■Thermal Characteristics T_a=25 Unless otherwise specified

PARAMETER		SYMBOL	UNIT	D8UB05	D8UB10	D8UB20	D8UB40	D8UB60	D8UB80	D8UB100
Thermal resistance	Between junction and ambient, Without heatsink	$R_{\theta J-A}$	/W	25						
	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
D8UB05 - D8UB100	B1	Approximate 1.269	25	1500	6000	TUBE

■ Characteristics (Typical)

FIG1:Io-Tc Curve

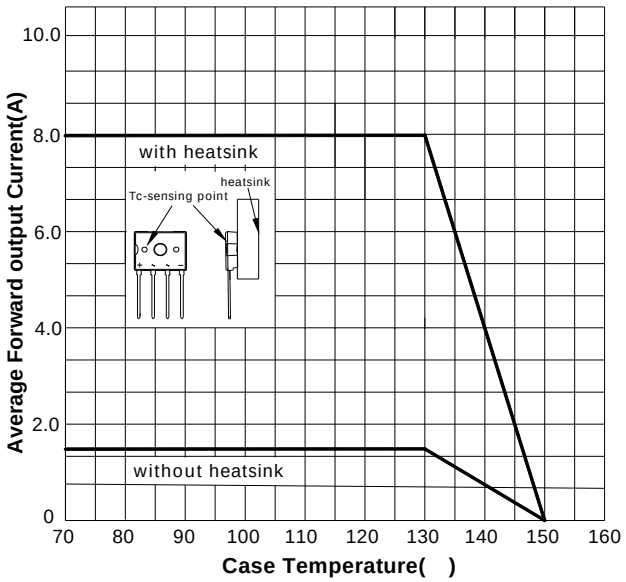


FIG2:Surge Forward Current Capability

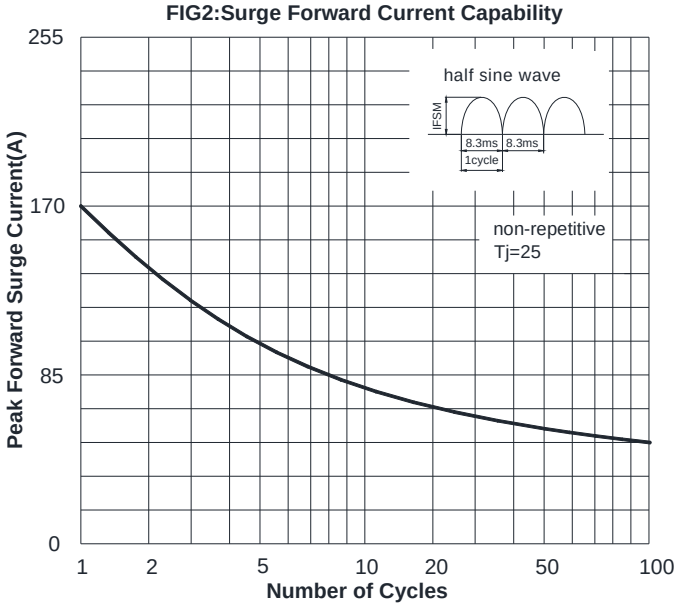


FIG3: Typical Forward Voltage

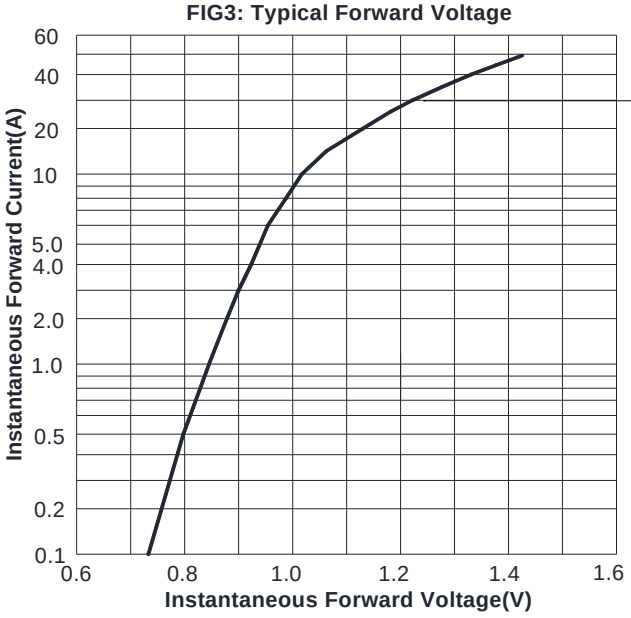
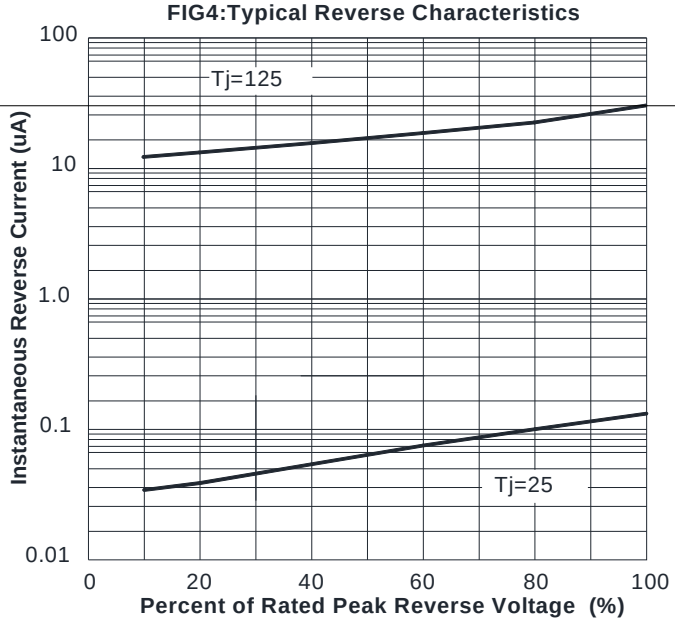
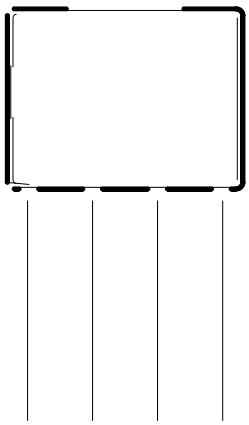


FIG4:Typical Reverse Characteristics



■ 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

Disclaimer

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