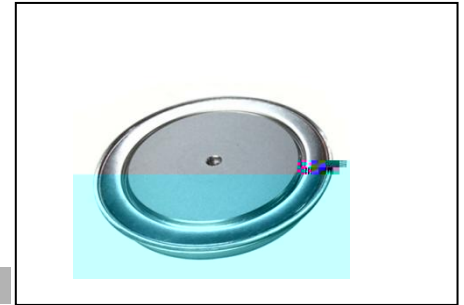


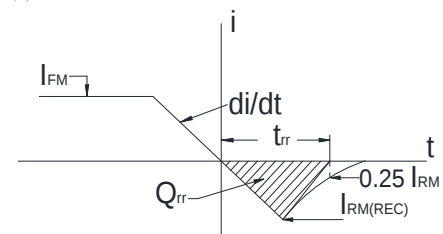


Device Type	V_{RRM} (1)	V_{RSM} (1)
ZP12000-02	200	300
ZP12000-04	400	500

$$\frac{M}{M} = \frac{N}{N} \quad (2)$$

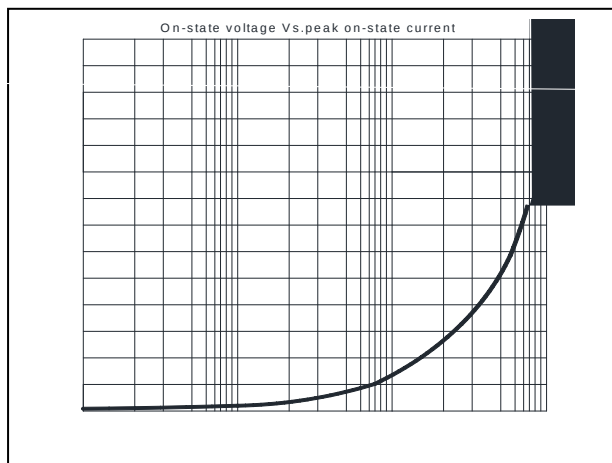
Repetitive peak reverse leakage current	I_{RRM}	2 mA 50 mA (3)
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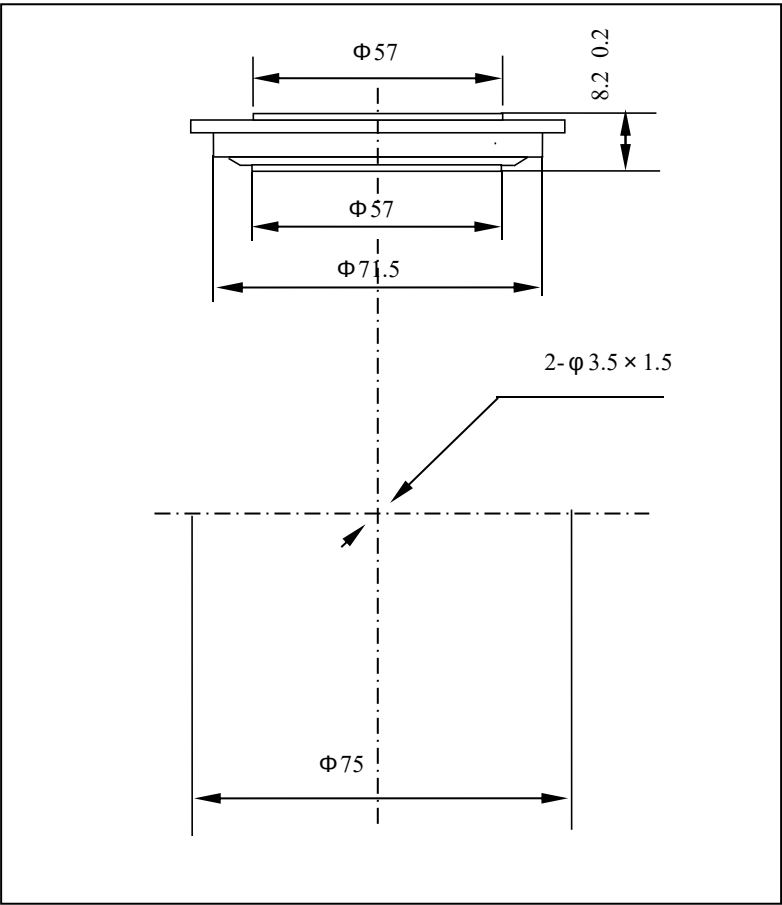
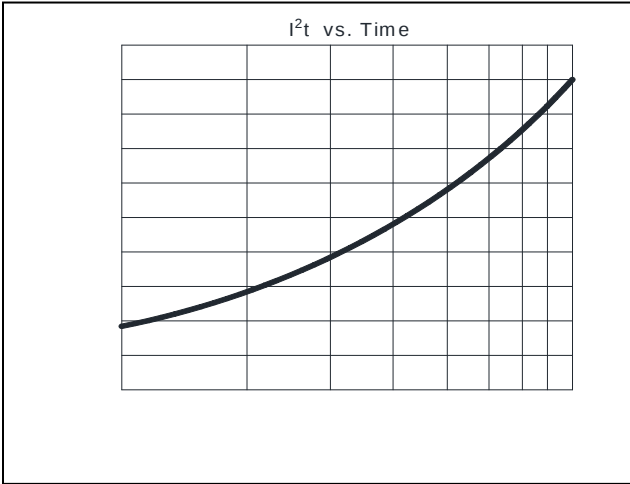
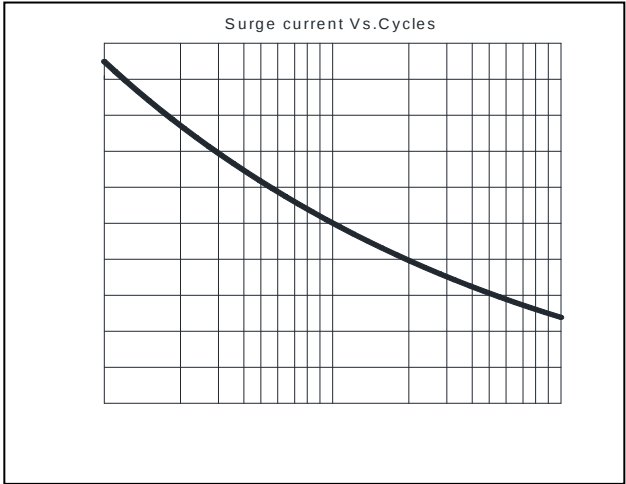
N :
A :
(1) , =50H , = -40 +170 C.
(2) , = 10 , = -40 +170 C.
(3) M = 170 C.
(4) :



reverse recovery characteristic

Average forward current	$I_{F(AV)}$	12000	A	Sinewave 180°, Tc =85
RMS forward current	I_{FRMS}	18840	A	
Peak one cycle surge (non repetitive) current	I_{FSM}	85000	A	Pulse width 10 msec, sinusoidal wave-shape, 180° conduction, Tj = 170
I square t	I^2t	36×10^6	A ² s	Pulse width 10 msec, sinusoidal wave-shape, Tj = 170
Peak forward voltage	V_{FM}	1.01	V	$I_{FM} = 5000A$; Tj =25°C
Threshold voltage	V_{FO}	0.74	V	Tj=170°C
Slope resistance	r_F	0.018	mΩ	Tj=170°C
Reverse Recovery Current (4)	$I_{RM(REC)}$		A	/ =-25A/ ,IFM=1000A, =50
Reverse Recovery Charge (4)	Q_{rr}	600	>C	/ =-25A/ ,IFM=1000A, =50
Reverse Recovery Time (4)	t_{rr}		>S	/ =-25A/ ,IFM=1000A, =50





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