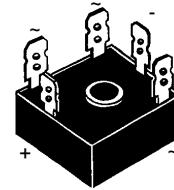
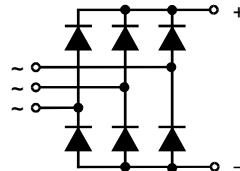


Three Phase Rectifier Bridge

$I_{dAVM} = 35 \text{ A}$
 $V_{RRM} = 1200-1800 \text{ V}$

V_{RSM} V	V_{RRM} V	Type
600	600	VUO 36-06NO8
1200	1200	VUO 36-12NO8
1400	1400	VUO 36-14NO8
1600	1600	VUO 36-16NO8
1800	1800	VUO 36-18NO8



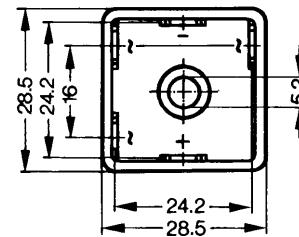
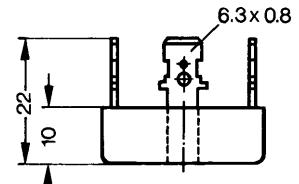
Symbol	Test Conditions		Maximum Ratings	
I_{dAV} I_{dAVM}	$T_c = 85^\circ\text{C}$, module		27	A
	$T_c = 62^\circ\text{C}$, module		35	A
I_{FSM}	$T_{VJ} = 45^\circ\text{C}$; $V_R = 0$	$t = 10 \text{ ms}$ (50 Hz), sine $t = 8.3 \text{ ms}$ (60 Hz), sine	550 600	A A
	$T_{VJ} = T_{VJM}$ $V_R = 0$	$t = 10 \text{ ms}$ (50 Hz), sine $t = 8.3 \text{ ms}$ (60 Hz), sine	500 550	A A
I^2t	$T_{VJ} = 45^\circ\text{C}$ $V_R = 0$	$t = 10 \text{ ms}$ (50 Hz), sine $t = 8.3 \text{ ms}$ (60 Hz), sine	1520 1520	A^2s A^2s
	$T_{VJ} = T_{VJM}$ $V_R = 0$	$t = 10 \text{ ms}$ (50 Hz), sine $t = 8.3 \text{ ms}$ (60 Hz), sine	1250 1250	A^2s A^2s
T_{VJ} T_{VJM} T_{stg}			-40...+150 150 -40...+150	$^\circ\text{C}$ $^\circ\text{C}$ $^\circ\text{C}$
V_{ISOL}	50/60 Hz, RMS $I_{ISOL} \leq 1 \text{ mA}$	$t = 1 \text{ min}$ $t = 1 \text{ s}$	2500 3000	V~ V~
M_d	Mounting torque	(M5) (10-32 UNF)	$2 \pm 10 \%$ $18 \pm 10 \%$	Nm lb.in.
Weight	typ.		22	g

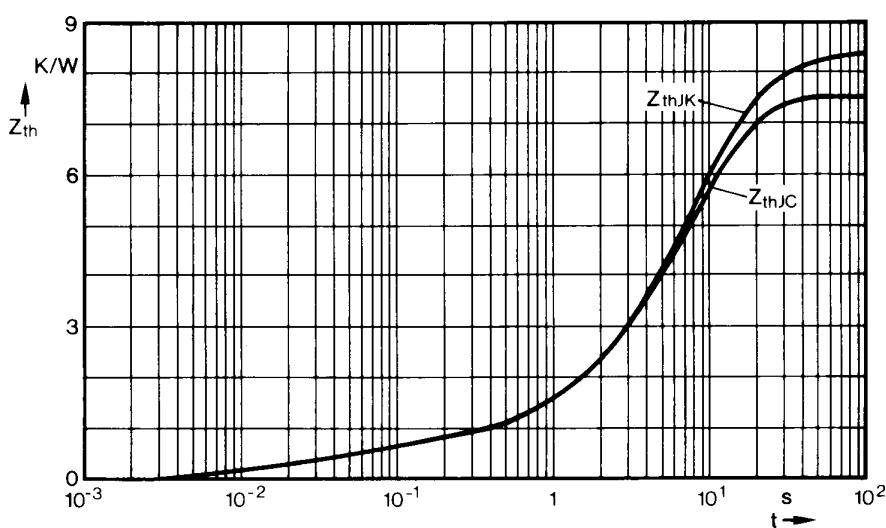
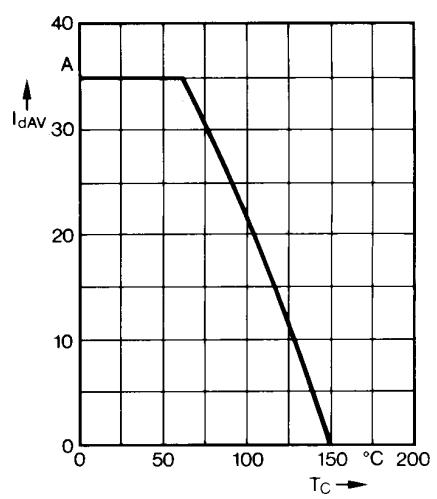
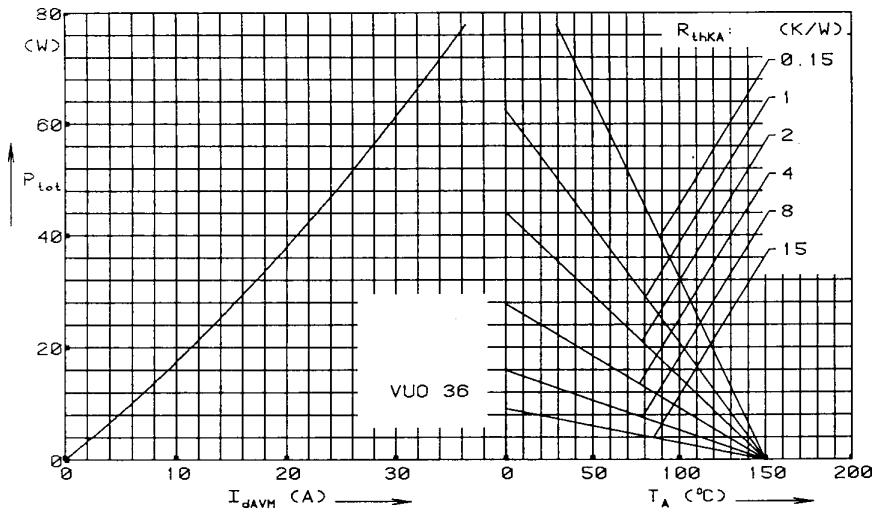
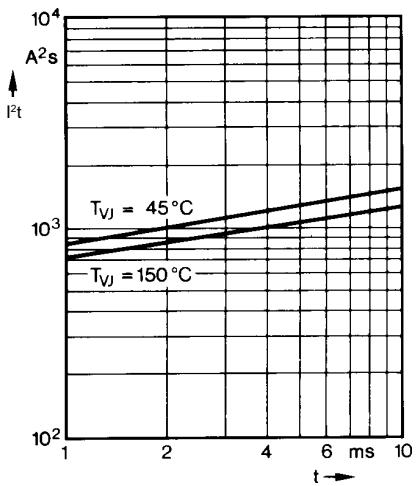
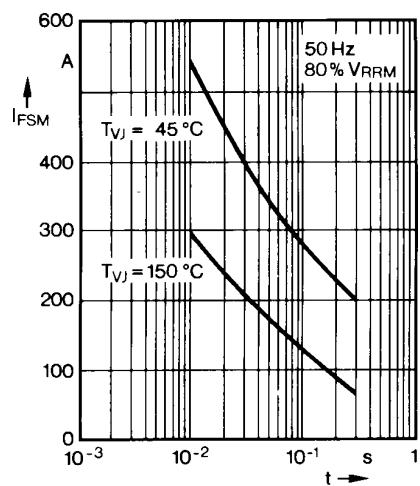
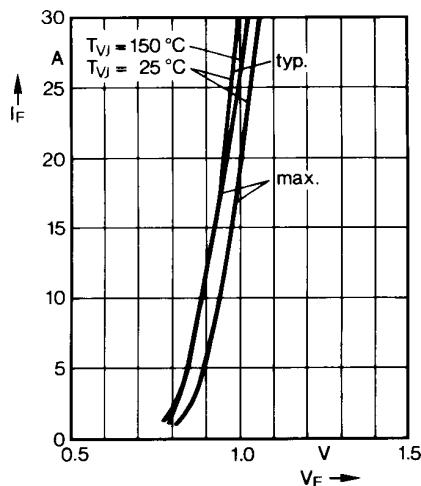
Symbol	Test Conditions		Characteristic Values		
I_R	$T_{VJ} = 25^\circ\text{C}$; $T_{VJ} = T_{VJM}$;	$V_R = V_{RRM}$ $V_R = V_{RRM}$	\leq \leq	0.3 2.0	mA mA
V_F	$I_F = 150 \text{ A}$;	$T_{VJ} = 25^\circ\text{C}$	\leq	1.7	V
V_{TO}	For power-loss calculations only			0.8 7.4	V $\text{m}\Omega$
r_T					
R_{thJC}	per diode; DC current per module			7.5 1.25	K/W K/W
R_{thJH}	per diode; DC current per module			8.4 1.4	K/W K/W
d_s	Creeping distance on surface			12.7	mm
d_A	Creepage distance in air			9.4	mm
a	Max. allowable acceleration			50	m/s^2

Data according to DIN IEC 60747 and refer to a single diode unless otherwise stated.
 IXYS reserves the right to change limits, test conditions and dimensions.

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Dimensions in mm (1 mm = 0.0394")





Constants for Z_{thJC} calculation:

i	R _{thi} (K/W)	t _i (s)
1	0.183	0.032
2	0.528	0.085
3	1.89	5.9
4	4.9	8.3

Constants for Z_{thJK} calculation:

i	R _{thi} (K/W)	t _i (s)
1	0.183	0.032
2	0.528	0.085
3	1.89	5.9
4	4.9	8.3
5	0.9	28.0