

$$I_{F(AV)} = 1.7 \text{ A}$$
$$V_{RRM} = 16000 \text{ V}$$

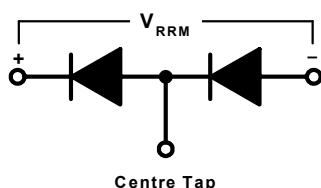
High Voltage Diode Rectifier Module

LARONTROL

Electronic Devices

Type Number	Repetitive Peak	Minimum Avalanche Voltage $V_{(BR)R}$
HTZ240F16K	16000	17000
HTZ240F14K	14000	15000
HTZ240F12K	12000	13000
HTZ240F10K	10000	11000

CIRCUIT DIAGRAM



CURRENT RATINGS - AIR COOLED

$I_{F(AV)}$	Mean forward current	Half wave resistive load $T_{amb} = 35^{\circ}C$	1.7	A
I_F	Continuous (direct) forward current	$T_{amb} = 35^{\circ}C$	1.9	A
$R_{th(j-a)}$	Thermal resistance junction to ambient		7.9	$^{\circ}C/W$

CURRENT RATINGS - OIL COOLED

I_{F(AV)}	Mean forward current	Half wave resistive load T _{oil} = 60°C	4.0	A
I_T	Continuous (direct) forward current	T _{oil} = 60°C	4.9	A
R_{th(j-o)}	Thermal resistance junction to oil		2.14	°C/W

SURGE RATINGS

I²t	I ² t for fusing	10 ms half sine T _{vj} = 150°C	50 A ² sec
I_{FSM}	Surge (non-repetitive) forward current	T _{vj} = 150°C	100 A

TEMPERATURE AND FREQUENCY RATINGS

T_{vj}	Virtual junction temperature	Forward (conducting)	180	°C
		Reverse (blocking)	180	°C
T_{stg}	Storage temperature range		-40 to 100	°C
f	Frequency range		20 to 400	Hz

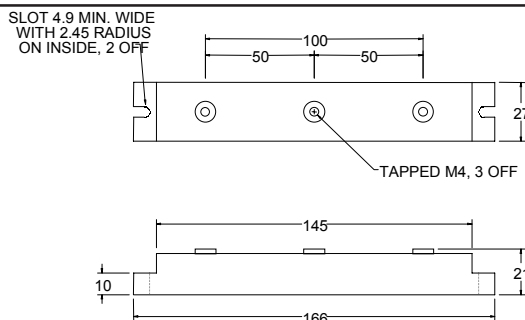
CHARACTERISTICS $T_{\text{case}} = 25^{\circ}\text{C}$ unless otherwise stated

V_{FM}	Forward voltage	At 2 Amps peak	max 10.0	V
I_{RM}	Peak reverse current	At V _{RRM} ; T _{case} = 150°C	max 0.5	mA

Dimensioned Outlines

Dimensions shown are maximum in mm

Weight typ.: 0,20 Kg



IXYS reserves the right to change limits, test conditions and dimensions.

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ZF

Issue 1 June 1998

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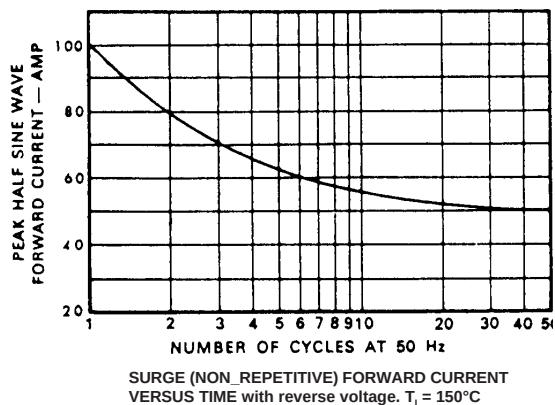
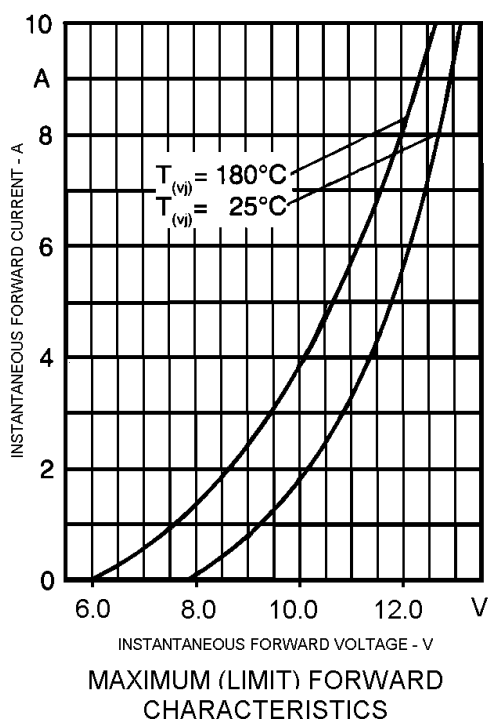
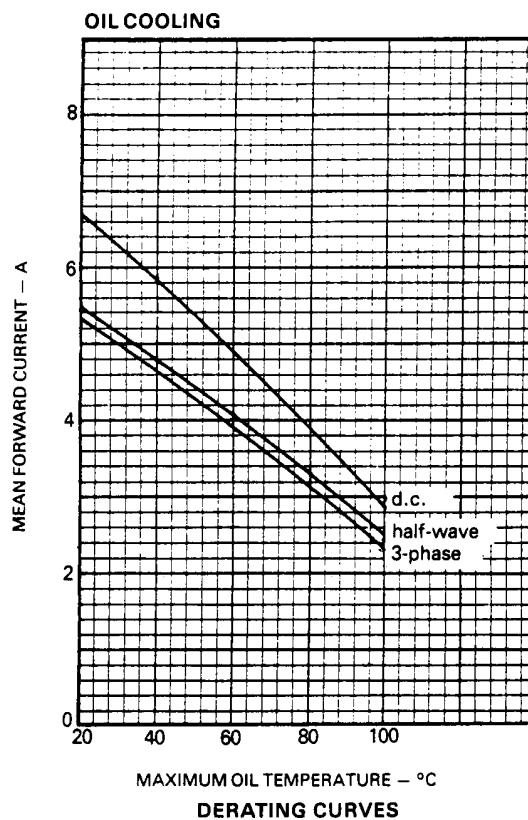
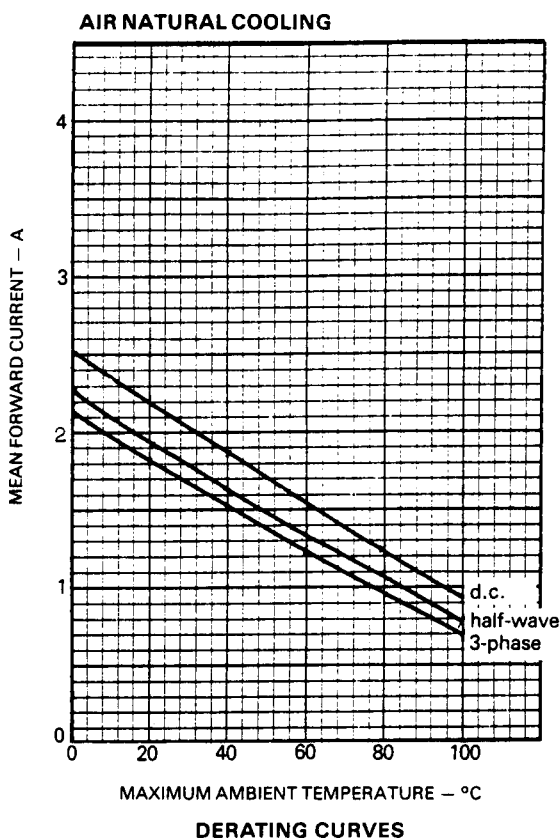
HTZ240F Series

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$$V_{RRM} = 16000 \text{ V}$$

High Voltage Diode Rectifier Module

LARONTROL
Electronic Devices



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