



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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HTZ240F Series

$$I_{F(AV)} = 1.7 \text{ A}$$

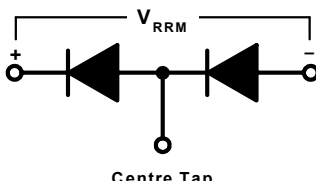
$$V_{RRM} = 16000 \text{ V}$$

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



Centre Tap



CURRENT RATINGS - AIR COOLED

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

CURRENT RATINGS - OIL COOLED

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

SURGE RATINGS

I^2t	I^2t for fusing	10 ms half sine $T_{vj} = 150^{\circ}\text{C}$	50	A^2sec
I_{FSM}	Surge (non-repetitive) forward current	$T_{vj} = 150^{\circ}\text{C}$	100	A

TEMPERATURE AND FREQUENCY RATINGS

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

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

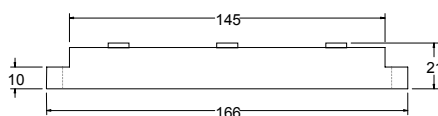
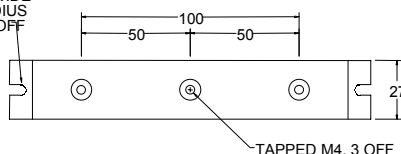
V_{FM}	Forward voltage	At 2 Amps peak	max 10.0	V
I_{RM}	Peak reverse current	At V_{RRM} , $T_{case} = 150^{\circ}\text{C}$	max 0.5	mA

Dimensioned Outlines

Dimensions shown are maximum in mm

Weight typ.: 0,20 Kg

SLOT 4.9 MIN. WIDE
WITH 2.45 RADIUS
ON INSIDE, 2 OFF



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

ZF

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

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