



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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HTZ280H Series

$$I_{F(AV)} = 4.7 \text{ A}$$

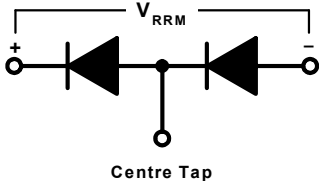
$$V_{RRM} = 32000 \text{ V}$$

High Voltage Diode Rectifier Module

LARONTROL
Electronic Devices

Type Number	Repetitive Peak	Minimum Avalanche Voltage $V_{(BR)R}$
HTZ280H32K	32000	34000
HTZ280H28K	28000	30000
HTZ280H24K	24000	26000
HTZ280H20K	20000	22000

CIRCUIT DIAGRAM



CURRENT RATINGS - AIR COOLED

$I_{F(AV)}$	Mean forward current
I_F	Continuous (direct) forward current
$R_{th(j-a)}$	Thermal resistance junction to ambient

Half wave resistive load $T_{amb} = 35^\circ\text{C}$

4.7	A
5.7	A
0.95	$^\circ\text{C/W}$

CURRENT RATINGS - OIL COOLED

$I_{F(AV)}$	Mean forward current
I_T	Continuous (direct) forward current
$R_{th(j-o)}$	Thermal resistance junction to oil

Half wave resistive load $T_{oil} = 60^\circ\text{C}$

4.5	A
5.5	A
0.77	$^\circ\text{C/W}$

SURGE RATINGS

I^2t	I^2t for fusing
I_{FSM}	Surge (non-repetitive) forward current

10 ms half sine $T_{vj} = 150^\circ\text{C}$

200	A^2sec
200	A

TEMPERATURE AND FREQUENCY RATINGS

T_{vj}	Virtual junction temperature
T_{stg}	Storage temperature range
f	Frequency range

Forward (conducting)
Reverse (blocking)

180	$^\circ\text{C}$
180	$^\circ\text{C}$
-40 to 100	$^\circ\text{C}$
20 to 400	Hz

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

V_{FM}	Forward voltage
I_{RM}	Peak reverse current

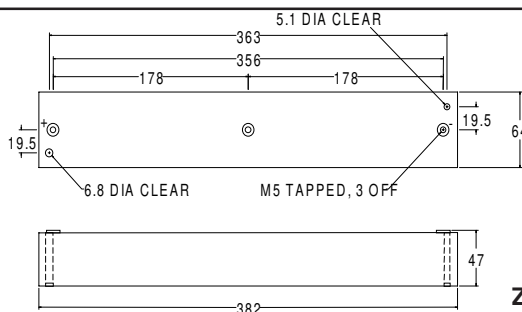
At 12 Amps peak
At V_{RRM} ; $T_{case} = 150^\circ\text{C}$

max 23	V
max 0.5	mA

Dimensioned Outlines

Dimensions shown are maximum in mm

Weight typ.: 2,0 Kg



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

ZH

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$$V_{RRM} = 32000 \text{ V}$$

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