



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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HTZ270H Series

$I_{F(AV)} = 3.4 \text{ A}$
 $V_{RRM} = 64000 \text{ V}$

High Voltage Diode Rectifier Module

LARONTROL

Electronic Devices

Type Number	Repetitive Peak	Minimum Avalanche Voltage $V_{(BR)R}$
HTZ270H64K	64000	68000
HTZ270H56K	56000	60000
HTZ270H48K	48000	52000
HTZ270H40K	40000	44000

CIRCUIT DIAGRAM

CURRENT RATINGS - AIR COOLED

$I_{F(AV)}$	Mean forward current	Half wave resistive load $T_{amb} = 35^\circ\text{C}$	3.4	A
I_F	Continuous (direct) forward current	$T_{amb} = 35^\circ\text{C}$	4.1	A
$R_{th(j-a)}$	Thermal resistance junction to ambient		0.95	$^\circ\text{C/W}$

CURRENT RATINGS - OIL COOLED

$I_{F(AV)}$	Mean forward current	Half wave resistive load $T_{oil} = 60^\circ\text{C}$	3.3	A
I_T	Continuous (direct) forward current	$T_{oil} = 60^\circ\text{C}$	4.0	A
$R_{th(j-o)}$	Thermal resistance junction to oil		0.77	$^\circ\text{C/W}$

SURGE RATINGS

I^2t	I^2t for fusing	10 ms half sine $T_{vj} = 150^\circ\text{C}$	200	A^2sec
I_{FSM}	Surge (non-repetitive) forward current	$T_{vj} = 150^\circ\text{C}$	200	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

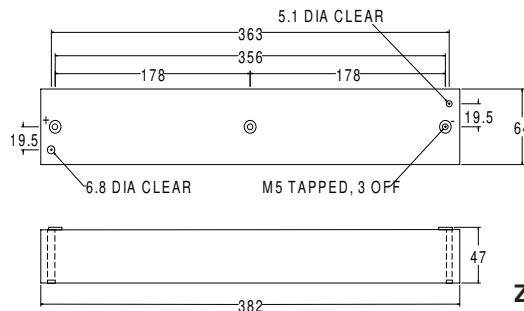
CHARACTERISTICS $T_{case} = 25^\circ\text{C}$ unless otherwise stated

V_{FM}	Forward voltage	At 12 Amps peak	max 46	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.: 2,2 Kg



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

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