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.

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HTZ130B Series

$I_{F(AV)}$ = 1.0 A

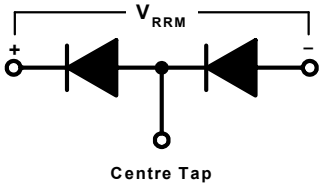
V_{RRM} = 38000 V

High Voltage Diode Rectifier Module

LARONTROL
Electronic Devices

Type Number	Repetitive Peak	Minimum Avalanche Voltage $V_{(BR)R}$
HTZ130B38K	38000	40800
HTZ130B33K	33000	36000
HTZ130B28K	28000	31200
HTZ130B24K	24000	26400

CIRCUIT DIAGRAM



CURRENT RATINGS - AIR COOLED

$I_{F(AV)}$	Mean forward current	Half wave resistive load T_{amb} = 35ºC	1.0	A
I_F	Continuous (direct) forward current	T_{amb} = 35ºC	1.2	A
$R_{th(j-a)}$	Thermal resistance junction to ambient		5.7	ºC/W

CURRENT RATINGS - OIL COOLED

$I_{F(AV)}$	Mean forward current	Half wave resistive load T_{oil} = 60ºC	3.1	A
I_T	Continuous (direct) forward current	T_{oil} = 60ºC	3.6	A
$R_{th(j-o)}$	Thermal resistance junction to oil		1.2	ºC/W

SURGE RATINGS

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

TEMPERATURE AND FREQUENCY RATINGS

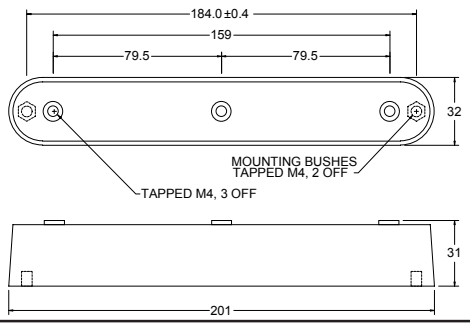
T_{vj}	Virtual junction temperature	Forward (conducting)	180	ºC
		Reverse (blocking)	180	ºC
T_{stg}	Storage temperature range		-40 to 100	ºC
f	Frequency range		20 to 400	Hz

CHARACTERISTICS T_{case} = 25ºC unless otherwise stated

V_{FM}	Forward voltage	At 2 Amps peak	max 24.0	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.: 0,38 Kg



ZB

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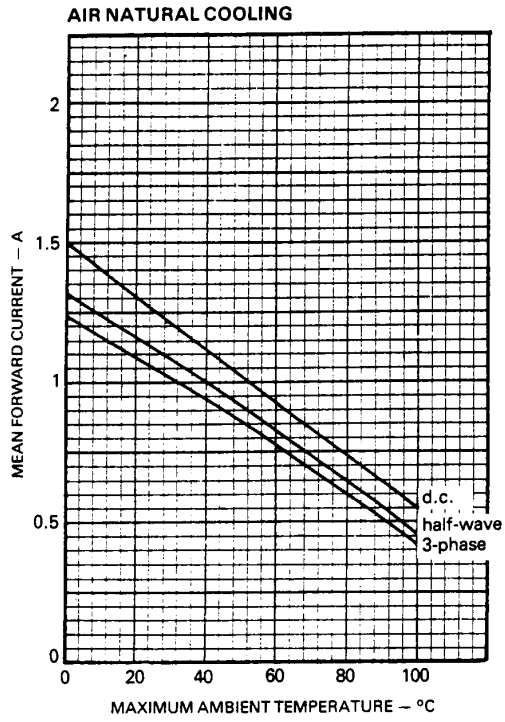
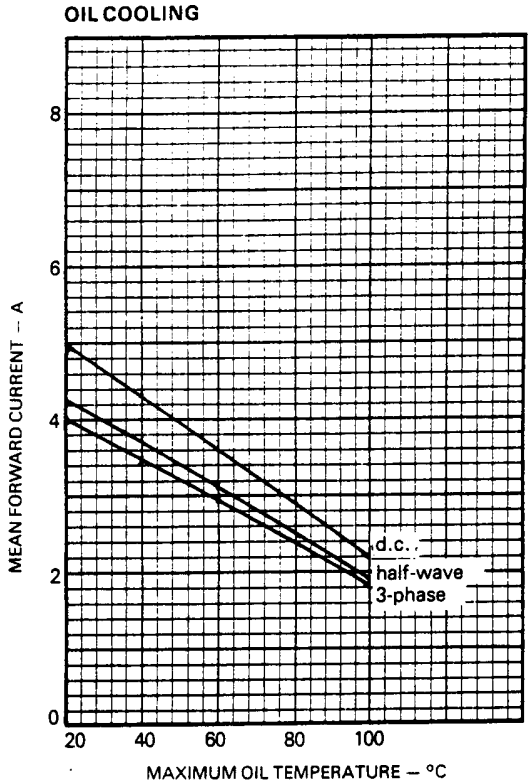
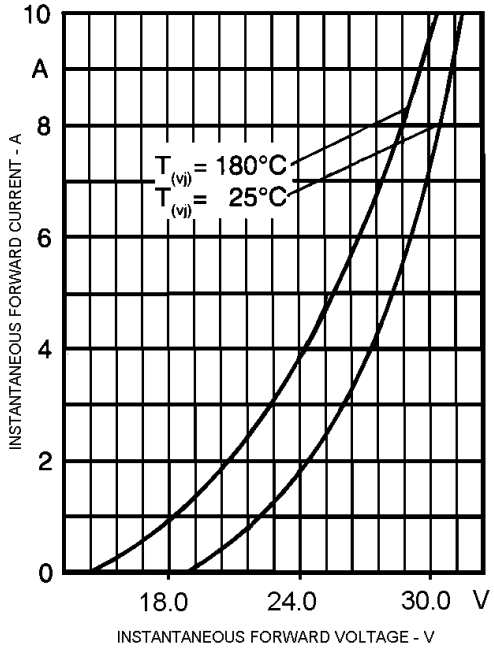
Electronic Devices



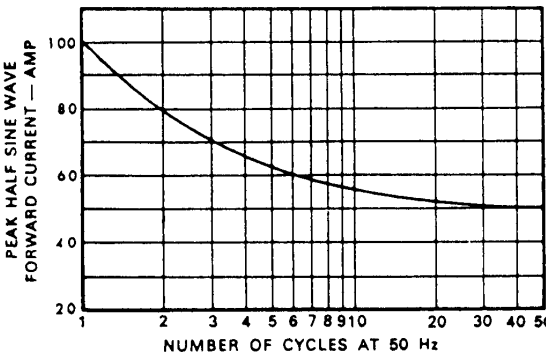
DERATING CURVES



DERATING CURVES



MAXIMUM (LIMIT) FORWARD CHARACTERISTICS



SURGE (NON_REPETITIVE) FORWARD CURRENT VERSUS TIME with reverse voltage. T_j = 150°C

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