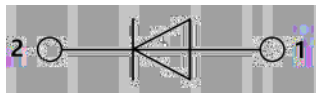
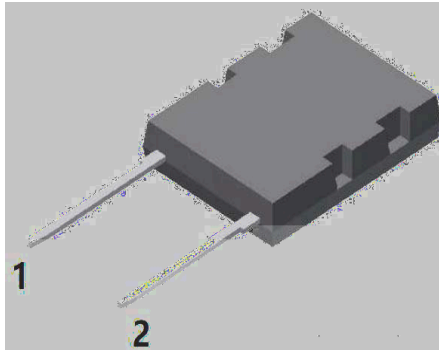


High Voltage Standard Rectifier



Features

- Glass passivated chip
- Very low leakage current
- Very low forward voltage drop
- Improved thermal behaviour

Typical Application

- Diode for main rectification
- For single and three phase bridge configurations

Mechanical Data

Package: TO-264P

Molding compound meets UL 94 V-0 flammability rating, RoHS-compliant, halogen-free

Terminals: Backside: DBC ceramic, Soldering pins for PCB mounting, Tin plated leads, solderable per J-STD-002 and JESD22-B102

Polarity: As marked

Maximum Ratings ($T_a=25$ Unless otherwise specified)

PARAMETER	SYMBOL	UNIT	GP120220KO
Device marking code			GP120220KO
Maximum Repetitive Peak Reverse Voltage	V_{RRM}	V	2200
Maximum Non-repetitive Reverse Blocking Voltage	V_{RSM}	V	2300
Maximum DC Blocking Voltage	V_{DC}	V	2200
Average Rectified Output Current @60Hz half sine-wave, R-load, T_c	I_o	A	120
Surge(Non-repetitive) Forward Current @50Hz half sine-wave, 1 cycle, $T_j=25$	I_{FSM}	A	2200
Current Squared Time @1ms t 10ms, $T_j=25$	I^2t	A^2s	24200
Storage Temperature	T_{stg}		-55 ~ +150
Junction Temperature	T_j		-55 ~ +150

Electrical Characteristics $T_a=25$ Unless otherwise specified

PARAMETER	SYMBOL	UNIT	TEST CONDITIONS	GP120220KO
Maximum instantaneous forward voltage drop per diode	V_{FM}	V	$I_{FM}=120A$	1.31
Maximum DC reverse current at rated DC blocking voltage per diode @ $V_{RM}=V_{RRM}$	I_{RRM1}	uA	$T_a=25$	100
			$T_a=100$	500
			$T_a=150$	3500



Ordering Information (Example)

PREFERRED P/N	PACKING CODE	UNIT WEIGHT(g)	MINIMUM PACKAGE(pcs)	INNER BOX QUANTITY(pcs)	OUTER CARTON QUANTITY(pcs)	DELIVERY MODE
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