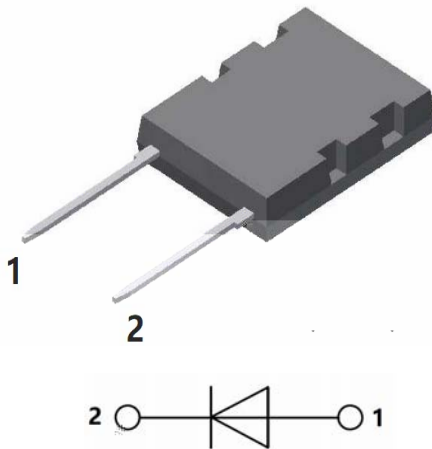


High Voltage Standard Rectifier



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 ² t	A ² s	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



GP120220KO

■Ordering Information (Example)

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