



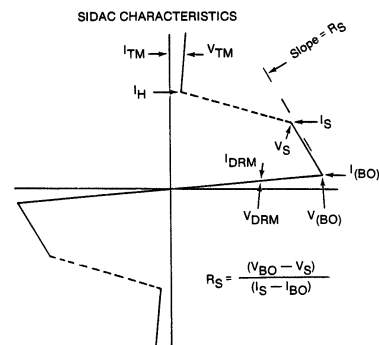
HUTSON INDUSTRIES, INC.

DO-41 SIDAC

MAXIMUM RATINGS	SYMBOL	G105B	G120B	G220B	G240B	G270B	UNIT
Repetitive Peak Off-State Voltage	V _{DRM}	±90	±90	±180	±180	±180	VOLT Min.
Breakover Voltage 60Hz Sine Wave	V _{BO}	95 113	110 125	205 230	220 250	255 280	VOLT Min. Max.
On-State RMS Current Conduction Angle of 360°	I _{T(RMS)}	1.0	1.0	1.0	1.0	1.0	AMP Max.
Peak Surge (Non-repetitive) On- State Current, One-Cycle, at 60Hz	I _{TSM}	20	20	20	20	20	AMP Typ.
Repetitive Peak Off-State Current 60Hz R = 0.1K Ω	I _{DRM}	10	10	10	10	10	μA Max.
Dynamic Holding Current 60Hz V = V _{DRM}	I _H	150	150	150	150	150	mA Max.
Peak On-State Voltage I _T = 1 A	V _{TM}	1.5	1.5	1.5	1.5	1.5	VOLT Max.
Maximum Rate Of Change Of On-State Current	di/dt	150	150	150	150	150	A/μS Typ.
Repetitive Peak On-State Current Pulse width 10μS f = 1KHz	I _{TRM}	20	20	20	20	20	AMP Typ.
Switching Resistance 60Hz Sine Wave $\frac{V_{BO} - V_S}{I_S - I_{BO}}$	R _S	0.1	0.1	0.1	0.1	0.1	K OHM Min.
Breakover Current 60Hz Sine Wave	I _{BO}	200	200	200	200	200	μA Max.
Thermal Resistance Of Junction To Case	R _{qJ-C}	45	45	45	45	45	°C/WATT TYP
Junction Temperature	T _J	-40 +125	-40 +125	-40 +125	-40 +125	-40 +125	°C
Storage Temperature	T _{STG}	-65 +150	-65 +150	-65 +150	-65 +150	-65 +150	°C

NOTES:

Other Voltages available; Consult the factory.





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