Features

- Hfa hgSRgg
- In ag e g
- Hg an yBC ldde
- hepl
- Vn hgfd y

Product Summary

Applications

- Hg b
- L ggm
- C m

Absolute Maximum Ratings C = 25℃ hg (@ T

Parameter	Conditions	Symbol	Values	Unit
pd hg	Tjy = 25℃	VRM	1600	V
pdg	Tjy = 25℃	VRM	1600	V

No - p pd hg Tjy

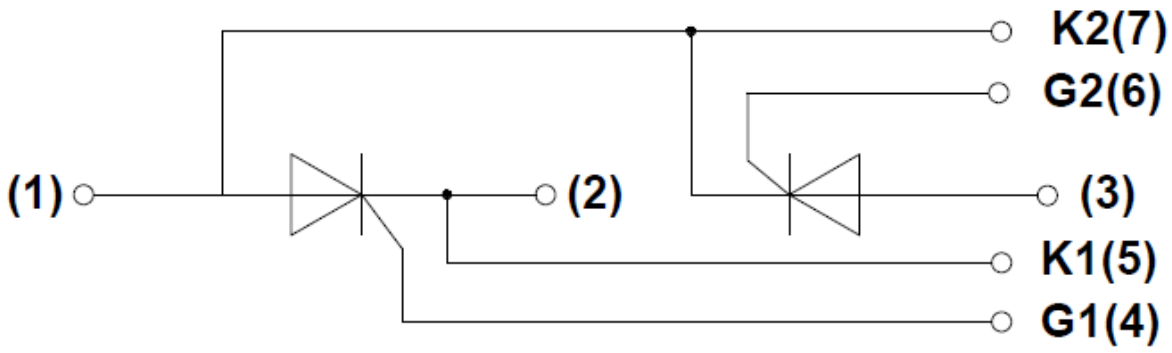
Electrical Characteristics C = 25℃ (@ T

Parameter	Conditions	Symbol	Values			Unit
			Min.	Typ.	Max.	
P	I=210A , t=380μs	V_T			1.80	V
	V = V , T = 25	I			100	μA
	V = V , T = 125				30	A
	V_R = V , T = 125	I			100	μA
	V_R = V , T = 125				30	A
	T = T = 125	V_T			F 0.92	V
	T = 125	r_T			3.3	mΩ
	V =12V R_L=30Ω	I_{GT}	20		120	mA
H	I=1A	I_H			250	mA
L	I_G=1.2 I_{GT}	I_L			300	mA
C	V =2/3V T =125 G O	dv/dt	1000			V/μs
	V =12V R_L=30Ω	V_{GT}			1.8	V
N	V =0.5V T =125	V_G	0.25			V

Thermal Characteristics C = 25℃ (@ T

Parameter	Conditions	Symbol	Values			Unit
			Min.	Typ.	Max.	
		$R_{th(j-c)}$		0.35	(	/W j
		$R_{th(c-h)}$		0.18	(	/W c
M	M M5	M	4.25		5.75	N·m
	E M5		2.55		3.45	N·m

Circuit Diagram



Package Outlines (mm)