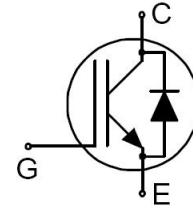


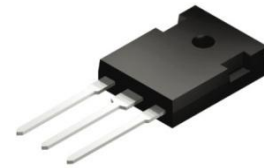
1200V , 15A , Trench-FS IGBT

Features

- ◆ Advanced Trench+FS (Field Stop) IGBT technology
- ◆ Low Collector-Emitter Saturation voltage, typical data is 2.1V @ 15A.
- ◆ Easy parallel switching capability due to positive Temperature coefficient in Vce.
- ◆ Short-Circuit withstand time-10uS
- ◆ Fast switching
- ◆ High input impedance
- ◆ Pb- Free product



Schematic Diagram



TO-247

Applications

- ◆ Industry Inverter
- ◆ Power switch circuit of induction cooker

Electrical characteristics(T_J = 25°C unless otherwise noted)

Symbol	Parameter	Test conditions	Units	Min.	Typ.	Max.
V _{(BR)CES}	Collector - Emitter breakdown voltage	V _{GE} = 0V, I _D = 0.5mA	V	1200	—	—
V _{CE(sat)}	Collector-Emitter Saturation voltage	V _{GE} =15V, I _C =15A, T _C =25°C	V	—	2.1	2.5
		V _{GE} =15V, I _C =15A, T _C =125°C	V	—	2.35	—
V _{GE(th)}	Gate threshold voltage	V _{GE} = V _{CE} , I _D = 0.4mA	V	4.0	5.8	6.5
V _F	Diode Forward voltage	I _C =15A	V	—	2.1	2.6
I _{GES}	Gate to Emitter Forward Leakage	V _{ge} =+30V	nA	—	—	200
I _{GESR}	Gate to Emitter reverse Leakage	V _{ge} =-30V		-200	—	—
I _{CES}	Zero gate voltage collector current	V _{CE} =1200V	uA	—	—	100

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[APT64GA90B2D30](#) [APT70GR120J](#) [NGTB10N60FG](#) [NGTB30N60L2WG](#) [NGTG25N120FL2WG](#) [IGP30N60H3XKSA1](#) [STGB15H60DF](#)
[STGFW20V60DF](#) [STGFW30V60DF](#) [STGFW40V60F](#) [STGWA25H120DF2](#) [FGB3236_F085](#) [APT25GN120BG](#) [APT25GR120S](#)
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[IDW40E65D2](#) [NGTB50N60L2WG](#) [STGB10H60DF](#) [STGB20V60F](#) [STGB40V60F](#) [STGFW80V60F](#) [IGW40N120H3FKSA1](#)
[RJH60D7BDPQ-E0#T2](#) [APT40GR120B](#)