



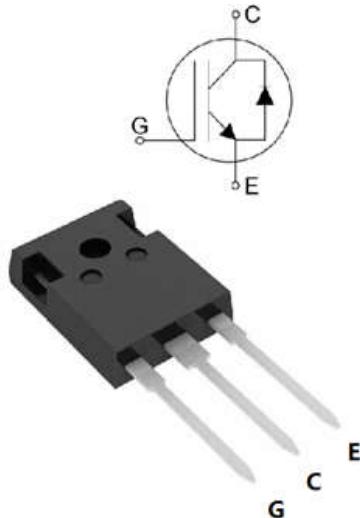
SPT25N120U1T8TL

1200V /25A Trench Field Stop IGBT

FEATURES

- High breakdown voltage to 1200V for improved reliability
- Trench-Stop Technology offering :
 - High speed switching
 - High ruggedness, temperature stable
 - Short circuit withstand time – 10µs
 - Low $V_{CE(sat)}$
 - Easy parallel switching capability due to positive temperature coefficient in $V_{CE(sat)}$
- Enhanced avalanche capability

V_{CE}	1200	V
I_C	25	A
$V_{CE(sat)}$ $I_C=25A$	2.05	V



APPLICATION

- Uninterruptible Power Supplies
- Solar inverter
- Welding
- PFC applications

Ordering Information

Product	Package	Packaging
SPT25N120U1T8TL	TO-247	Tube

Fig. 1 FBSOA characteristics

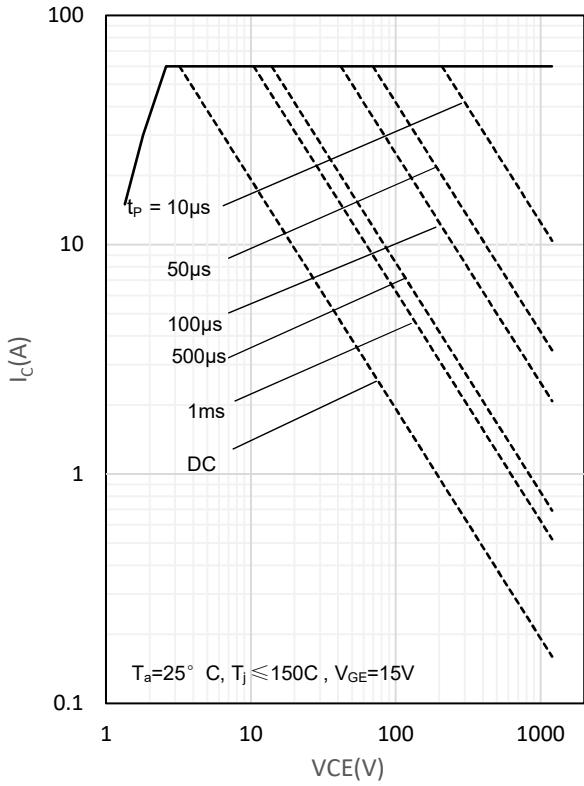


Fig. 2 Load Current vs. Frequency

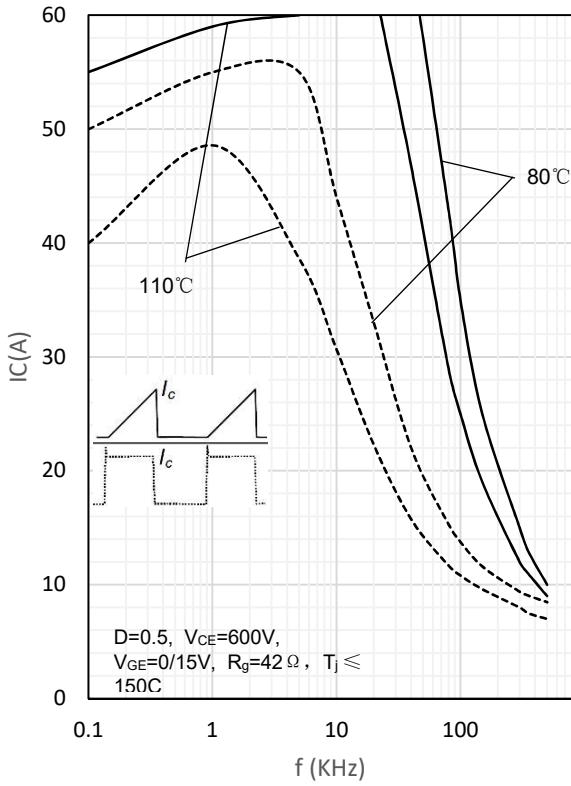


Fig. 3 Output characteristics

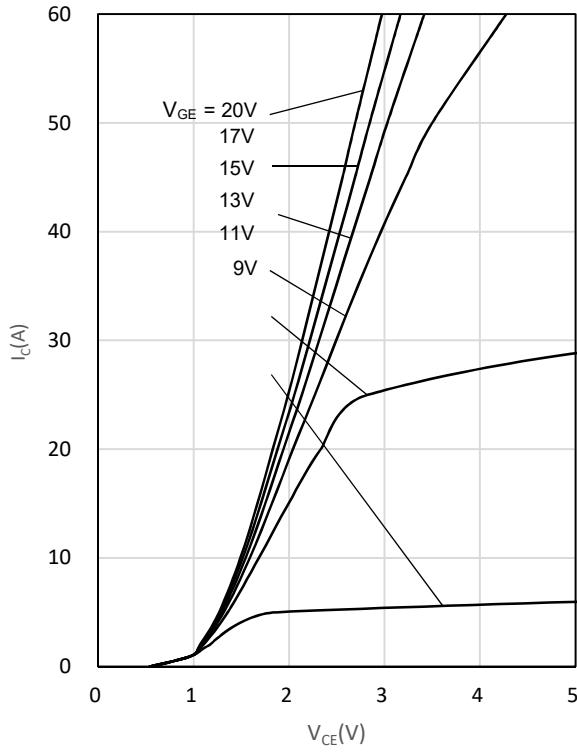


Fig. 4 Saturation voltage characteristics

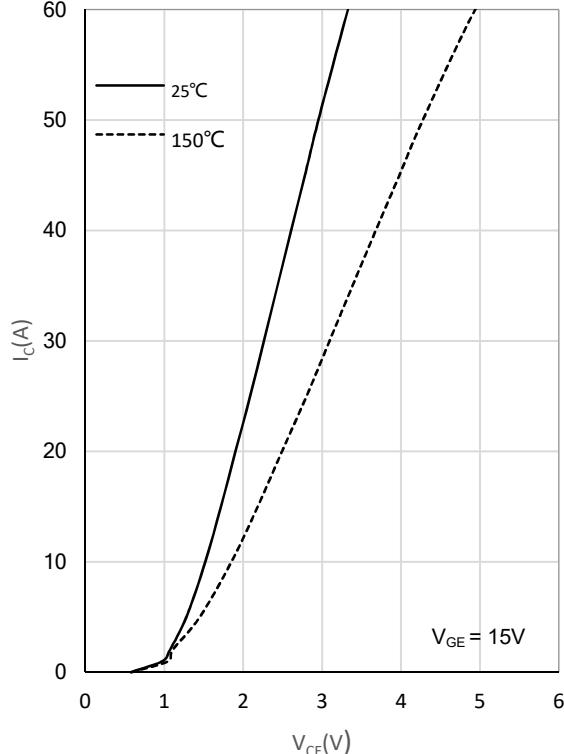


Fig. 9 Gate charge characteristics

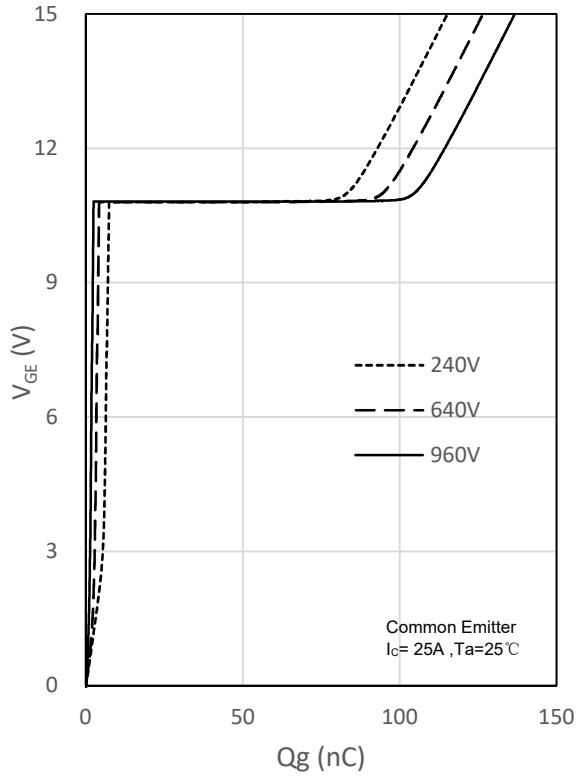
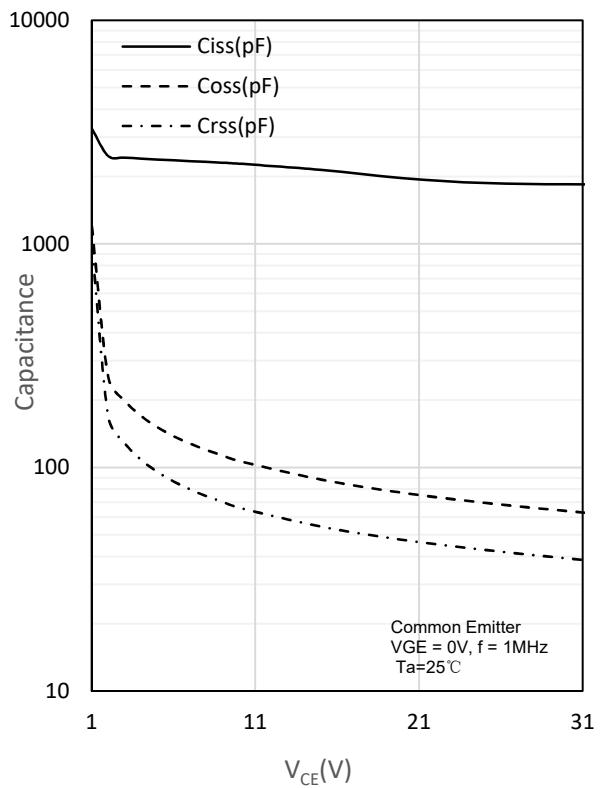


Fig. 10 Capacitance characteristics



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[APT35GA90BD15](#) [APT36GA60BD15](#) [APT40GP60B2DQ2G](#) [APT40GP90B2DQ2G](#) [APT50GN120B2G](#) [APT50GT60BRG](#)
[APT64GA90B2D30](#) [APT70GR120J](#) [NGTB10N60FG](#) [NGTB30N60L2WG](#) [IGP30N60H3XKSA1](#) [STGB15H60DF](#) [STGFW20V60DF](#)
[STGFW30V60DF](#) [STGFW40V60F](#) [STGWA25H120DF2](#) [FGB3236_F085](#) [APT25GN120BG](#) [APT25GR120S](#) [APT30GN60BDQ2G](#)
[APT30GN60BG](#) [APT30GP60BG](#) [APT30GS60BRDQ2G](#) [APT30N60BC6](#) [APT35GP120JDQ2](#) [APT36GA60B](#) [APT45GR65B2DU30](#)
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[SGB15N120ATMA1](#) [NGTB50N60L2WG](#) [STGB10H60DF](#) [STGB20V60F](#) [STGB40V60F](#) [STGFW80V60F](#) [IGW40N120H3FKSA1](#)
[RJH60D7BDPQ-E0#T2](#) [APT40GR120B](#)