



SPTECH
深圳市质超微电子有限公司

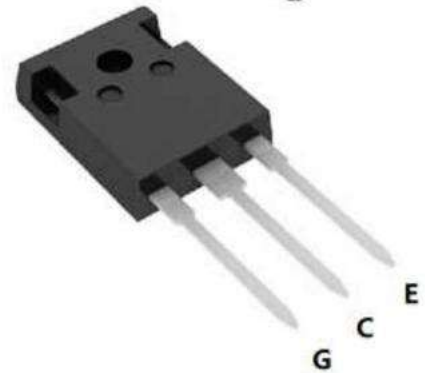
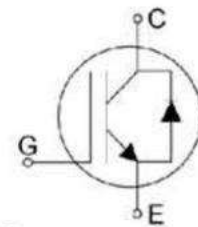
IHW20N120R3

1200V /20A Trench Field Stop IGBT

FEATURES

- High breakdown voltage to 1200V for improved reliability
- Trench-Stop Technology offering :
 - very tight parameter distribution
 - high ruggedness, temperature stable behavior
 - Short circuit withstand time – 10 μ s
 - High ruggedness, temperature stable
 - LOW $V_{CE(SAT)}$
 - Easy parallel switching capability due to positive temperature coefficient in $V_{CE(SAT)}$
- Enhanced avalanche capability
- Soft current turn-off waveforms

| | | |
|-------------------------|------|---|
| V_{CE} | 1200 | V |
| I_C | 20 | A |
| $V_{CE(SAT)}$ $I_C=20A$ | 1.9 | V |



APPLICATION

- Inductive cooking
- Inverterized microwave ovens
- Resonant converters
- Soft switching application

| Product | Package | Packaging |
|-------------|---------|-----------|
| IHW20N120R3 | TO247 | Tube |