

Resonant Soft-Switching Series

Reverse conducting IGBT with monolithic body Diode for soft-switching

IHW15N120E1

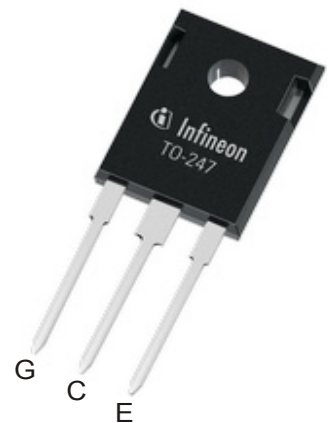
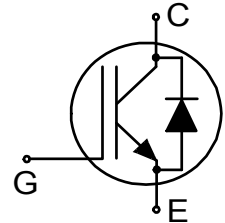
Data sheet

Industrial Power Control

Reverse conducting IGBT with monolithic body diode

Features:

- Powerful monolithic body diode with low forward voltage designed for soft commutation only
- TRENCHSTOP™ technology applications offers:
 - very tight parameter distribution
 - high ruggedness, temperature stable behavior
 - low V_{CEsat}
 - easy parallel switching capability due to positive temperature coefficient in V_{CEsat}
- Low EMI
- Qualified according to JEDEC for target applications
- Pb-free lead plating; RoHS compliant
- Complete product spectrum and PSpice Models: <http://www.infineon.com/igbt/>



Applications:

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



Key Performance and Package Parameters

Type	V_{CE}	I_C	$V_{CEsat}, T_{vj}=25^{\circ}C$	T_{vjmax}	Marking	Package
IHW15N120E1	1200V	15A	1.5V	150°C	H15ME1	PG-TO247-3