

## Product Overview

### PCGA160T65NF8: IGBT, 650 V, 160 A Field Stop Trench

For complete documentation, see the data sheet.

PCGA160T65NF8

#### Features

- AEC-Q101 Qualified
- Max Junction Temperature 175°C
- Positive Temperature Co-efficient
- Ease of Paralleling
- Short Circuit Rated
- Very Low Saturation Voltage:  $V_{CE(SAT)} = 1.6V$  (Typ.) @  $I_C = 160A$
- Optimized for Motor Control Applications

#### Part Electrical Specifications

Product	Compliance	Status	$V_{ES}^{(BR)C}$ Typ (V)	$I_C$ Max (A)	$V_{CE(sat)}$ Typ (V)	$V_F$ Typ (V)	$E_{off}$ Typ (mJ)	$E_{on}$ Typ (mJ)	$T_{rr}$ Typ (ns)	$I_{rr}$ Typ (A)	Gate Charge Typ (nC)	Short Circuit Withstand ( $\mu$ s)	$E_{AS}$ Typ (mJ)	$P_D$ Max (W)	Co- Pack aged Diode	Pack age Type
PCGA160T65NF8	AEC Qualified PPAP Capable Pb-free Halide free	Active	650	-	2.15	-	-	-	-	-	167	6	-	-	No	

For more information please contact your local sales support at [www.onsemi.com](http://www.onsemi.com).

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