

# Product Detail

**Part Num:** IXGT30N120B3D1  
**Description:** Mid-Frequency Range (15 kHz - 40 kHz) , IGBT with freewheeling diode  
**Configuration:** Copack (FRD)  
**Package Style:** TO-268  
**Status:** Active/New Product: New product introduced within the last 12 -18 months.

Parameter	IXGT30N120B3D1
VCES, (V)	1200
IC25, TC=25°C, IGBT, (A)	50
IC90, TC=90°C, IGBT, (A)	
IC110, TC=110°C, IGBT, (A)	30
VCE(sat), max, TJ=25°C, IGBT, (V)	3.5
t <sub>fi</sub> , typ, IGBT, (ns)	160
E <sub>off</sub> , typ, TJ=125°C, IGBT, (mJ)	4.6
R <sub>thJC</sub> , max, IGBT, (°C/W)	0.5
I <sub>F</sub> , TJ=110°C, Diode, (A)	28
R <sub>thJC</sub> , max, Diode, (°C/W)	0.9