

6.1 Generation 1200V NX-Series IGBT Cross References



DESCRIPTION:

The latest NX-Series IGBTs use the 6.1 Generation CSTBT™ (Carrier Stored Trench-Gate Bipolar Transistor) chip which offers significantly lower losses compared to competing chip technologies. When combined with an Aluminum Nitride Ceramic (AlN) substrate with superior thermal performance, the NX 6.1 series modules provide a very efficient, cost effective, power module solution for a wide variety of applications. Generate less heat...remove the heat efficiently!

The 6.1 Generation IGBTs can be cross referenced to provide a superior replacement for other manufacturer's parts in both new and existing designs.

FEATURES:

- 225~600A 1200V dual modules and 100~150A 1200V Six Packs with common base plate in NX-M package
- Optimized for high current density and wide RBSOA to assure reliability
- Small, Cost Optimized Packages
 - 17mm Thick
 - Low Inductance
 - Low Thermal Impedance
- 6.1 Generation CSTBT™ Chip Technology

APPLICATIONS:

- Motor Drives
- UPS
- Fuel Cell Inverters
- Wind Turbine Pitch Control Systems
- Wind and Solar Inverters

6.1 NX DUAL CROSS REFERENCES:

Powerex	Infineon	Fuji
NX	EconoDUAL™ 3	
CM225DX-24S1	FF225R12ME4	2MBI225VN-120-50
CM300DX-24S1	FF300R12ME4	2MBI300VN-120-50
CM450DX-24S1	FF450R12ME4	2MBI450VN-120-50
CM600DX-24S1	FF600R12ME4	2MBI600VN-120-50

6.1 NX Six Pack CROSS REFERENCES:

Powerex	Infineon	Fuji
NX	EconoPACK™ 3	
CM100TX-24S1	FS100R12KT3	6MBI100VB-120-50
CM150TX-24S1	FS150R12KT3	6MBI150VB-120-50

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