

## NX-SERIES IGBT CROSS REFERENCES



### DESCRIPTION

The NX -Series IGBT uses the 5<sup>th</sup> Generation CSTBT (Carrier Stored Trench-Gate Bipolar Transistor) chip. These parts can be cross referenced to replace other manufacturer's parts in both existing and new designs.

### APPLICATIONS TO RESEARCH

- Motor Drives
- UPS
- Fuel Cell Inverters
- Solar Power Inverters

### REASONS TO CROSS

- Price Competitive
- Drop-in replacement
- Optimized for high current density and wide RBSOA to assure reliability
- Small Cost Optimized Packages
  - 17mm Thick
  - Low Inductance
  - 40% Lower Thermal Impedance
- 5<sup>th</sup> Generation CSTBT Chip Technology
- 600/1200V Devices
  - CIB – 35A to 100A
  - Dual – 150A to 450A

### PRODUCT CROSS REFERENCES

CIB Crosses			
Powerex		Infineon	Fuji
MX	=	EconoPIM™ 3	= S Series M712
CM75MX-12A	=	FP75R06KE3	= 7MBR75SB060
CM75MX-12A	=	BSM75GP60	= 7MBR75SB060
CM100MX-12A	=	FP100R06KE3	= 7MBR100SB060
CM100MX-12A	=	BSM100GP60	= 7MBR100SB060
CM35MX-24A	=	FP40R12KT3G	= 7MBR35SB120
CM35MX-24A	=	FP40R12KE3G	= 7MBR35SB120
CM35MX-24A	=	FP35R12KS4CG	= 7MBR35SB120
CM35MX-24A	=	BSM35GP120G	= 7MBR35SB120
CM50MX-24A	=	FP50R12KS4C	= 7MBR50SB120
CM50MX-24A	=	FP50R12KT3	= 7MBR50SB120
CM50MX-24A	=	FP50R12KE3	= 7MBR50SB120
CM50MX-24A	=	BSM50GP120	= 7MBR50SB120
CM75MX-24A	=	FP75R12KE3	=
CM75MX-24A	=	FP75R12KT3	=
CM75MX-24A	=	FP75R12KT4	=
CM75MX-24A	=	FP75R12KT4_B11	=
CM100MX-24A	=	FP100R12KT4_B11	=

Dual Crosses		
Powerex		Infineon
DX	=	EconoDUAL™ 3
CM400DX-12A	=	FF450R06ME3
CM150DX-24A	=	FF150R12ME3G
CM200DX-24A	=	FF225R12ME3
CM200DX-24A	=	FF225R12ME4
CM300DX-24A	=	FF300R12ME3
CM300DX-24A	=	FF300R12ME4
CM450DX-24A	=	FF450R12ME3
CM450DX-24A	=	FF450R12ME4