



HVIGBT Line-up

Overview

Powerex offers industry standard HVIGBT modules in expanding current ranges. This line-up includes both Powerex self-manufactured HVIGBTs as well as Mitsubishi HVIGBT power modules. These two product lines are complementary and offer a broad range of devices to suit your specific application.

Powerex HVIGBTs feature highly insulating housings that offer enhanced protection by means of greater creepage and strike clearance distance for many demanding applications like medium voltage drives and auxiliary traction applications.

Applications

- High voltage power supplies
- Medium voltage drives
- Motor drives
- Traction

HVIGBT Product Advantages

- -40 to 150°C extended temperature range
- 100% dynamic tested
- Advanced Mitsubishi chip technology
- Aluminum nitride (AlN) ceramic substrate for low thermal impedance
- Rugged SWSOA and RRSOA



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Serving Our Customers Through Expertise, Innovation and Reliability

VCE (V) IC (A)	Single				Dual				Chopper		
	1700	3300	4500	6500	1700	3300	4500	6500	1700	3300	6500
85								QIC6508001 QID6508001			
150							QID4515001 QID4515002 QIF4515002 QID4515004				
200				CM200HG-130H		QID3320002 QID3320004					
400		CM400HG-66H	CM400HB-90H	CM400HG-130H		CM400DY-66H					CM400E4G-130H CM400E2G-130H
500						QID3340001 QID3350001					
600	QIS1760002		CM600HB-90H CM600HG-90H	CM600HG-130H	CM600DY-34H				CM600E2Y-34H		
800	CM800HA-34H	CM800HB-66H CM800HC-66H	CM800HC-90R CM800HG-90R	CM750HG-130R	CM800DZ-34H					CM800E2C-66H CM800E2Z-66H CM800E6C-66H	
900/ 1000	QIS1790001	CM1000HC-66R	CM900HB-90H CM900HC-90H CM900HG-90H							CM1000E4C-66R	
1200	CM1200HA-34H	CM1200HC-66H CM1200HG-66H	CM1200HC-90R CM1200HG-90R		CM1200DB-34N CM1200DC-34S				CM1200E4C-34N		
1500/ 1800	CM1800HC-34N	CM1500HC-66R CM1500HG-66R									
2400	CM2400HC-34N										

CM = Mitsubishi manufactured modules

Q = Powerex manufactured modules
Complementary devices

Package code for CM modules:

- HB = Single, copper baseplate
- HC = Single, AlSiC baseplate
- HG = Single, high isolation, AlSiC base
- DB = Dual, copper baseplate
- DC = Dual, AlSiC baseplate

Suffix for CM modules:

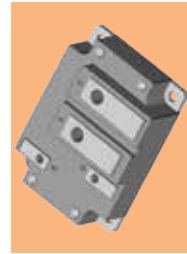
- H = Standard type
- N = CSTBT™ type
- R = LPT
- S = CSTBT™ type



7.48 x 5.51 (190 x 140)



5.11 x 5.51 (130 x 140)



3.15 x 4.33 (80 x 110)



2.87 x 5.51 (73 x 140)

Footprint in. (mm)



For more information:

visit: <http://www.pwr.com/summary/IGBT/IGBT.aspx>

email: globalsales@pwr.com

phone: 724-925-7272, Option 3 (Applications Engineering Assistance)

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