



HALF-BRIDGE IGBT MODULES IN INT-A-PAK PACKAGE

600-V and 1200-V Devices Feature High Current Ratings from 75 A to 200 A

$V_{CES} = 600 \text{ V to } 1200 \text{ V}$
 $I_C = 75 \text{ A to } 200 \text{ A}$



Standard and Ultrafast IGBT Modules Offer Operating Frequencies up to 60 kHz, and > 200 kHz in Resonant Mode

FEATURES

- 600-V and 1200-V voltage ratings
- High current ratings from 75 A to 200 A
- Hard switching operating frequencies up to 60 kHz, and > 200 kHz in resonant mode
- Low EMI for less snubbing
- Very low junction-to-case thermal resistance

BENEFITS

- Feature three different IGBT technologies to meet a variety of application needs
- Provide simple, direct mounting to the heatsink
- Ultrafast modules co-packaged with HEXFRED® ultra-soft-recovery anti-parallel diodes for use in bridge configurations

Datasheet is available on our web site at www.vishay.com
http://www.vishay.com/ref/IGBT_in_IAP

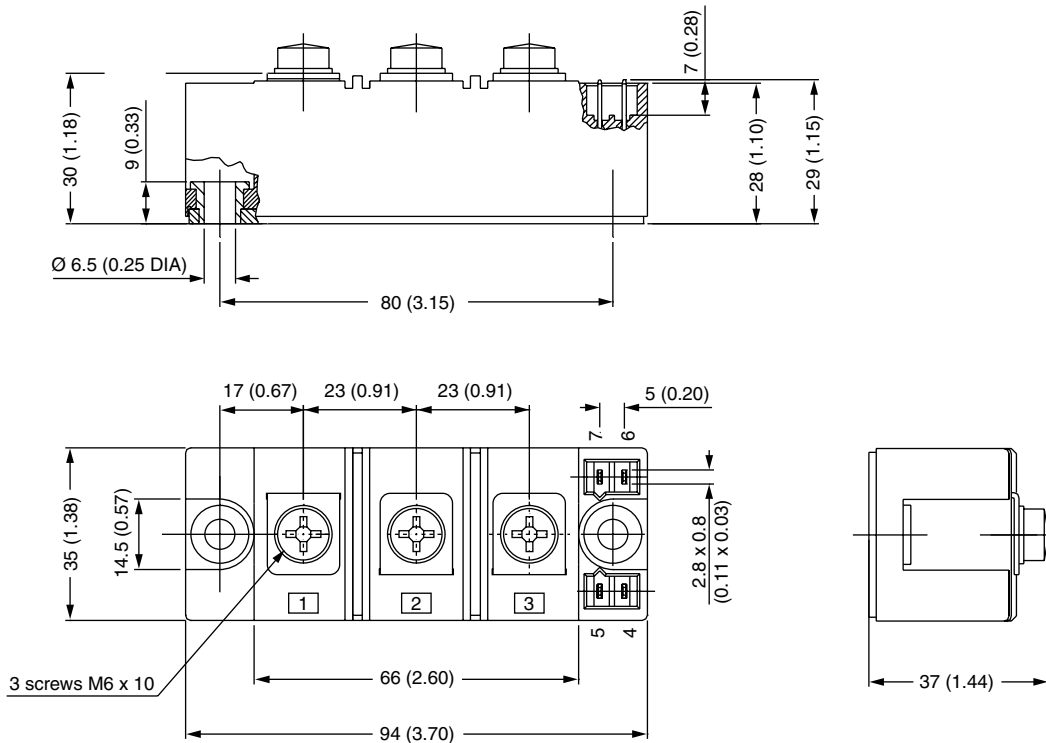


APPLICATIONS

- Isolated and non-isolated converters, switches, inverters, and choppers in high-frequency industrial welding, UPS, SMPS, solar inverter, and motor drive applications
- For output inverter TIG welder applications, the IGBTs offer the lowest $V_{CE(on)}$ at rated current available in the market for “S” series modules

Device	Speed	Technology	Voltage (V)	I_C (A)	$V_{CE(ON)}$ typ. (V)
GA100TS60SFPbF	Standard	Generation 4 PT	600	100	1.39
GA200HS60S1PbF	Standard	Generation 4 PT	600	200	1.13
GA200TS60UPbF	Ultrafast	Generation 4 PT	600	200	1.74
GA75TS120UPbF	Ultrafast	Generation 4 PT	1200	75	2.5
GA100TS120UPbF	Ultrafast	Generation 4 PT	1200	100	2.25
GB100TS60NPbF	Ultrafast	Generation 5 NPT	600	100	2.6
GB150TS60NPbF	Ultrafast	Generation 5 NPT	600	150	2.64
GB200TS60NPbF	Ultrafast	Generation 5 NPT	600	200	2.6

PACKAGE DIMENSIONS



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