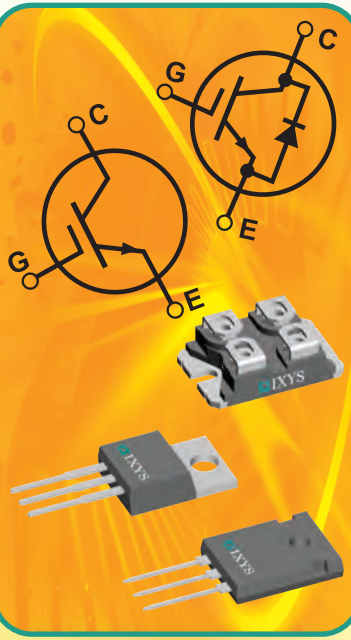




1200V High-Speed Hard-Switching XPT™ IGBTs

Features:

- Optimized for high-speed switching (up to 50kHz)
- Square RBSOA
- Positive thermal coefficient of VCE(sat)
- Anti-parallel ultra-fast diodes
- Avalanche rated
- International standard packages

Advantages:

- Hard-switching capabilities
- High power densities
- Low gate drive requirements

Applications:

- Power inverters
- Uninterruptible power supplies (UPS)
- Motor drives
- Switch-mode power supplies
- Power Factor Correction (PFC) circuits
- Battery chargers
- Welding machines
- Lamp ballasts

Part Number	V _{CEs} (V)	I _{C25} TC=25°C (A)	IC110 TC=110°C (A)	VCE(sat) max TJ=25°C (V)	t _{fi} typ TJ=125°C (ns)	E _{off} typ TJ=125°C (mJ)	R _{thJC} max IGBT (°C/W)	Config	Package Style
IXYH40N120C3D1	1200	64	40	4	38	0.7	0.26	Copacked (FRED)	TO-247
IXYH30N120C3	1200	66	30	4	88	0.9	0.3	Single	TO-247
IXYH50N120C3D1	1200	90	50	4	60	1.4 (TJ=150 °C)	0.2	Copacked (FRED)	TO-247
IXYH40N120B3	1200	96	40	2.9	206	2.05	0.26	Single	TO-247
IXYN82N120C3H1	1200	105	46	3.2	95	3.7	0.25	Copacked (FRED)	SOT-227B
IXYN100N120C3H1	1200	134	62	3.5	125	3.55	0.18	Copacked (FRED)	SOT-227
IXYK120N120C3	1200	220	120	3.5	120	5.3 (TJ=150 °C)	0.1	Single	TO-264
IXYX120N120C3	1200	220	120	3.5	120	5.3 (TJ=150 °C)	0.1	Single	PLUS247



EUROPE
IXYS GmbH
marcom@ixys.de

USA
IXYS Power
sales@ixys.com

ASIA
IXYS Taiwan/IXYS Korea
sales@ixys.com.tw

