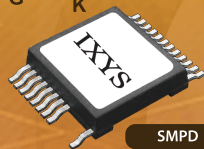


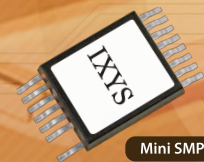


1500V MOS-Gated Thyristors

For high-power capacitive discharge or solid-state surge protection applications



SMPD



Mini SMPD

Features

- Proprietary high voltage packages
- Very high current capability
- Anti-parallel diodes
- Silicon chip on Direct Copper Bond (DCB) substrate
- Isolated mounting surface
- 2500V electrical isolation

Applications

- Capacitive Discharge Circuits
- Ignition Circuits
- Solid State Surge Protection

Advantages

- High Power Density
- Low Gate Drive Requirement



TO-247HV

TO-247PLUS-HV

Part Number	V_{DM} (V)	I_{TSM} 1 μ s $T_c=25^\circ\text{C}$ (kA)	I_{TSM} 10 μ s $T_c=25^\circ\text{C}$ (kA)	r_t typ (m Ω)	V_T max (V)	$Q_{g(on)}$ typ (nC)	t_{ij} typ $T_j=25^\circ\text{C}$ (ns)	$V_{GK(th)}$ max (V)	Configuration	Package Style
IXHH40N150HV	1500	7.6	3.5	1.2	7.5	99	100	5	Single	TO-247HV
IXHX40N150V1HV	1500	7.6	3.5	1.2	7.5	99	100	5	Copacked	TO-247PLUS-HV
MMJX1H40N150	1500	15.5	6.4	1.2	6	99	100	5	Single	Mini-SMPD
MMIX1H60N150V1	1500	32	11.8	1.2	6	180	100	5	Copacked	SMPD

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