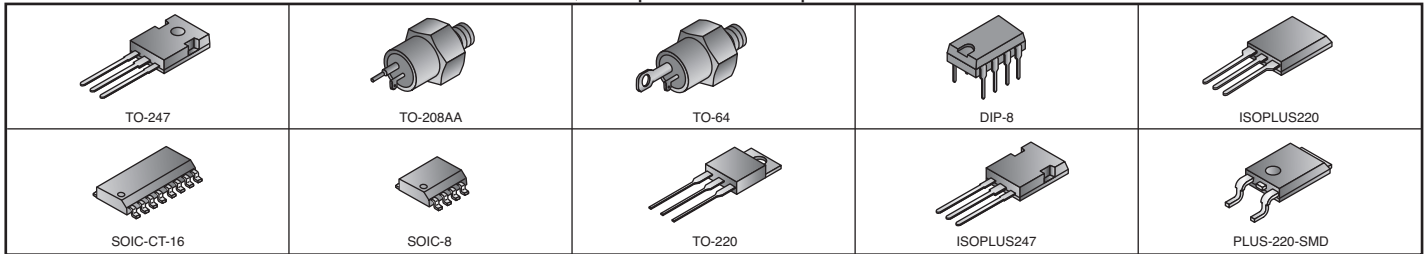


IXYS Power Devices and Power Modules



RoHS compliant This product is RoHS compliant.



BIMOSFETS IGBT DISCRETES

- Features:**
- VCES: 1400V, 1600V and 1700V
 - I_c(25): 5.7A-70A
 - Non-Epitaxial construction and new fabrication process combined strengths of MOSFET & IGBT

- Fast and equally rated Body Diode
- Positive Temp Coefficient of IGBT and Diode facilitates paralleling.
- Low V_{ce}(sat) and very fast switching varieties.

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.		Package Style	VRRM (V)	IC (A)	Config.	Price Each			
Mfr.	Mfr. Part No.					1	10	20	50
747	IXBH16N170A	TO-247	1700	16	Copack	16.98	14.15	12.74	11.32
747	IXBH42N170	TO-247	1700	70	Copack	30.75	25.63	23.06	20.50
747	IXBH16N170	TO-247 AD	1700	25	Copack	16.47	13.73	12.35	10.98
747	IXBH40N160	TO-247AD	1600	33	Copack	40.89	34.07	30.66	27.26
747	IXBT16N170A	TO-268	1700	16	Copack	17.85	14.88	13.39	11.90

PHASE CONTROL THYRISTORS

- Features:**
- V_{rrm}: 800V to 2200V
 - I_{tav}: 16A to 63A
 - Phase leg (FCC_) and high voltage (CS_M_) types in ISOPLUS i4-PAC as well as TO-208 and TO-64 case styles available

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.		Package Style	VRRM (V)	ITAV (A)	Config.	Price Each			
Mfr.	Mfr. Part No.					1	10	20	50
747	CS23-08IO2	TO-208AA	800	25	Single	22.62	18.85	16.97	15.08
747	CS23-12IO2	TO-208AA	1200	25	Single	21.35	18.98	15.82	13.84
747	CS23-16IO2	TO-208AA	1600	25	Single	19.62	16.35	14.72	13.08
747	CS35-08IO4	TO-208AC	800	63	Single	29.79	24.83	22.34	19.86
747	CS35-12IO4	TO-208AC	1200	63	Single	23.76	19.80	17.82	15.84
747	CS35-14IO4	TO-208AC	1400	63	Single	26.64	22.20	19.98	17.76
747	C58-08IO2	TO-64	800	16	Single	10.83	9.03	8.12	7.22
747	C58-12IO2	TO-64	1200	16	Single	14.76	12.30	11.07	9.84
747	DSEE30-12A	TO-247 AD	1200	30	Phase Leg	7.92	6.52	5.94	5.28

LOW SIDE GATE DRIVERS

- Features:**
- Wide operating voltage range from 4.5 V to 35 V
 - Rated for -55°C to +125°C operation
 - Very Low output impedance
 - No internal cross conduction which allows operating frequency to 10 MHz
 - Latch-up protected to rated reverse current
 - Output Current - up to 30A peak
 - Very low thermal impedance for TO-263 & TO-220 packages
 - Matched rise and fall times
 - ENABLE pin for emergency shutdown
 - TTL or CMOS input signals
 - Grounded base tab in 8-Pin SOIC-CT, 14-Pin SOIC-CT, 16-Pin SOIC-CT and 28 Pin SOIC-CT packages for PC board cooling

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.		Package Style	VRRM (V)	ITAV (A)	Config.	Price Each			
Mfr.	Mfr. Part No.					1	10	20	50
747	IXDD404PI	DIP-8	4	2.5	Dual	2.94	2.45	2.21	1.96
747	IXDD404SI	SOIC-CT-8	4	2.5	Dual	3.18	2.65	2.39	2.12
747	IXDD409YI	TO-263-5	9	1.5	Single	3.45	2.88	2.59	2.30
747	IXDD414CI	TO-220-5	14	1	Single	4.38	3.65	3.29	2.92
747	IXDD414PI	DIP-8	14	1	Single	3.51	2.93	2.63	2.34
747	IXDD414YI	TO-263-5	14	1	Single	5.49	4.58	4.12	3.66
747	IXDF402SI	SOIC-CT-8	2	4	Dual	2.07	1.73	1.55	1.38
747	IXDF404PI	DIP-8	4	2.5	Dual	2.94	2.45	2.21	1.96
747	IXDF404SI	SOIC-CT-8	4	2.5	Dual	3.18	2.65	2.39	2.12
747	IXDF404SI-16	SOIC-CT-16	4	2.5	Dual	3.51	2.93	2.63	2.34
747	IXDF502PI	DIP-8	2	4	Dual	1.26	1.05	.945	.84
747	IXDF502SIAT/R	SOIC-8	2	4	Dual	1.38	1.15	1.04	.92
747	IXDI402SI	SOIC-CT-8	2	4	Dual	2.07	1.73	1.55	1.38
747	IXDI404PI	DIP-8	4	2.5	Dual	2.94	2.45	2.21	1.96
747	IXDI404SI	SOIC-CT-8	4	2.5	Dual	3.18	2.65	2.39	2.12
747	IXDI409SI	SOIC-CT-8	9	1.5	Single	2.82	2.35	2.12	1.88
747	IXDI502D1T/R	DFN-6	2	4	Dual	1.59	1.33	1.19	1.06
747	IXDI502PI	DIP-8	2	4	Dual	1.26	1.05	.945	.84
747	IXDI502SIAT/R	SOIC-8	2	4	Dual	1.38	1.15	1.04	.92
747	IXDN404PI	DIP-8	4	2.5	Dual	2.94	2.45	2.21	1.96
747	IXDN404SI	SOIC-CT-8	4	2.5	Dual	3.18	2.65	2.39	2.12
747	IXDN404SI-16	SOIC-CT-16	4	2.5	Dual	3.51	2.93	2.63	2.34
747	IXDN404SI4S	SOIC-8	4	2.5	Dual	3.12	2.60	2.34	2.08
747	IXDN414SI	SOIC-CT-14	14	1	Single	4.11	3.43	3.08	2.74
747	IXDN502PI	DIP-8	2	4	Dual	1.26	1.05	.945	.84
747	IXDN502SIAT/R	SOIC-8	2	4	Dual	1.84	1.73	1.61	1.49
747	IX6R11P7	PDIP-14	35	6	Dual	3.39	2.83	2.54	2.26
747	IX6R11P7	PDIP-14	-	6	Dual	3.39	2.83	2.54	2.26

POWER MOSFETS WITH FAST INTRINSIC DIODES

- Features:**
- VDSS up to 70V to 1200V
 - I_D(25): 3A to 340A
 - Avalanche Rated and very rugged, High dv/dt immunity
 - HiPerFET™ Technology gives Fast, Rugged, equally rated intrinsic Diode
 - Low RDS(on)
 - Q2-Class: Very low gate change, very fast switching times
 - Q-Class: Low gate change, fast switching times

PolarHV™ HiPerFETs

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.		Package Style	VRRM (V)	ID (A)	Config.	Price Each			
Mfr.	Mfr. Part No.					1	10	20	50
747	IXFA10N60P	TO-263	600	10	Single	3.12	2.60	2.34	2.08
747	IXFA14N60P	TO-263	600	14	Single	3.78	3.15	2.84	2.52
747	IXFA16N50P	TO-263	500	16	Single	3.78	3.15	2.84	2.52
747	IXFC22N60P	ISOPLUS220	600	12	Single	8.10	6.75	6.08	5.40
747	IXFC26N50P	ISOPLUS220	500	15	Single	8.10	6.75	6.08	5.40
747	IXFH14N60P	TO-247	600	14	Single	4.41	3.68	3.31	2.94
747	IXFH16N50P	TO-247	500	16	Single	4.41	3.68	3.31	2.94
747	IXFH22N50P	TO-247	500	22	Single	5.13	4.28	3.85	3.42
747	IXFH26N60P	TO-247	600	26	Single	7.56	6.30	5.67	5.04
747	IXFH30N60P	TO-247	600	30	Single	8.79	7.33	6.60	5.86
747	IXFH36N50P	TO-247	500	36	Single	8.79	7.33	6.60	5.86
747	IXFH36N60P	TO-247	600	36	Single	10.83	9.03	8.13	7.22
747	IXFK64N50P	TO-264	500	64	Single	16.23	13.53	12.18	10.82
747	IXFK64N60P	TO-264	600	64	Single	21.96	18.30	16.47	14.64
747	IXFK80N50P	TO-264	500	80	Single	22.08	18.40	16.56	14.72
747	IXFK36N60P	TO-264	600	36	Single	11.67	9.73	8.76	7.78
747	IXFK44N50P	TO-264	500	44	Single	11.67	9.73	8.76	7.78
747	IXFK48N60P	TO-264	600	48	Single	16.23	13.53	12.18	10.82
747	IXFH44N50P	TO-247	500	44	Single	10.83	9.03	8.13	7.22
747	IXFH30N50P	TO-247	500	30	Single	7.56	6.30	5.67	5.04
747	IXFP14N60P	TO-220	600	14	Single	3.66	3.05	2.75	2.44
747	IXFP16N50P	TO-220	500	16	Single	3.66	3.05	2.75	2.44
747	IXFR30N60P	ISOPLUS247	600	15	Single	11.82	9.85	8.87	7.88
747	IXFR48N60P	ISOPLUS247	600	32	Single	18.60	15.50	13.95	12.40
747	IXFR64N50P	ISOPLUS247	500	35	Single	18.60	15.50	13.95	12.40
747	IXFR80N50P	ISOPLUS247	500	45	Single	24.57	20.48	18.43	16.38
747	IXFT30N60P	TO-268	600	30	Single	9.24	7.70	6.93	6.16
747	IXFT44N50P	TO-268	500	44	Single	11.37	9.48	8.53	7.58
747	IXFV22N50P	PLUS220	500	22	Single	5.76	4.80	4.32	3.84
747	IXFV26N50P	PLUS220	500	26	Single	7.23	6.03	5.43	4.82
747	IXFV30N60P	PLUS220	600	30	Single	9.57	7.98	7.18	6.38
747	IXFV52N30P	PLUS220	300	52	Single	6.93	5.78	5.20	4.62
747	IXFX48N60P	PLUS247	600	48	Single	16.89	14.08	12.67	11.26
747	IXFG64N60P	PLUS 247	600	64	Single	22.20	18.50	16.65	14.80
747	IXFX80N50P	PLUS 247	500	80	Single	22.77	18.98	17.08	15.18
747	IXFH26N50P	TO-247	500	26	Single	6.57	5.48	4.93	4.38
747	IXFK44N60P	TO-264	600	44	Single	28.98	24.15	21.74	19.32
747	IXFP10N60P	TO-220	600	10	Single	3.00	2.50	2.25	2.00
747	IXFR64N60P	ISOPLUS 247	600	36	Single	24.06	20.05	18.04	16.04

High Voltage Q-Class HiPerFETs (up to 1200V)

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.		Package Style	VRRM (V)	ID (A)	Config.	Price Each			
Mfr.	Mfr. Part No.					1	10	20	50
747	IXFH20N60	TO-247	600	20	Single	13.65	11.38	10.24	9.10
747	IXFH26N50	TO-247	500	26	Single	8.38	8.13	7.85	6.95
747	IXFH26N60Q	TO-247	600	28	Single	17.43	14.53	13.08	11.62
747	IXFH35N30	TO-247	300	35	Single	6.87	5.72	5.15	4.58
747	IXFH40N30Q	TO-247	300	40	Single	11.94	9.95	8.96	7.96
747	IXFH40N50Q	TO-247	500	40	Single	19.44	16.20	14.58	12.96
747	IXFH6N100	TO-247	1000	6	Single	10.68	8.90	8.01	7.12
747	IXFH80N10Q	TO-247	100	80	Single	16.50	13.75	12.38	11.00
747	IXFK24N100	TO-264	1000	24	Single	33.87	28.23	25.41	22.58
747	IXFK34N80	TO-264	800	34	Single	30.87	25.73	23.16	20.58
747	IXFK55N50	TO-264	500	55	Single	33.48	27.90	25.11	22.32
747	IXFR44N60	ISOPLUS247	600	38	Single	30.33			