

IXYS Power Devices and Power Modules

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MOSFETS

ENERGY EFFICIENT HIGH-POWER IGBTs

600V XPT™ IGBTs

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Package Style	IC (A)	Power (W)	Price Each		
Mfr.	Mfr. Part No.				1	10	100
747—IXXH50N60C3		TO-247AD	100	600	7.68	6.47	5.46
747—IXXH50N60C3D1		TO-247AD	100	600	9.94	8.37	7.07
747—IXXK100N60C3H1		TO-264	170	695	19.78	16.60	15.64
747—IXXK100N60B3H1		TO-264	190	695	19.78	16.60	15.64
747—IXXH100N60C3		TO-247AD	190	830	12.62	10.59	9.98
747—IXXH100N60B3		TO-247AD	210	830	11.03	9.25	8.72

650V XPT™ Trench IGBTs

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Package Style	IC (A)	Power (W)	Price Each		
Mfr.	Mfr. Part No.				1	10	100
747—IXYP15N65C3D1M		TO-220-3	16	48	2.97	2.36	1.92
747—IXYP20N65C3D1M		TO-220-3	18	50	2.97	2.40	1.92
747—IXYH30N65C3H1		TO-247-3	60	270	5.87	4.95	4.17
747—IXYT30N65C3H1HV		TO-268HV-2	60	270	6.65	5.60	4.73
747—IXXH30N65B4		TO-247AD-3	65	230	4.26	3.39	2.76
747—IXYH40N65C3H1		TO-247-3	80	300	6.65	5.60	4.73
747—IXYH40N65C3		TO-247-3	80	300	6.11	5.14	4.34
747—IXXH60N65B4H1		TO-247AD-3	116	380	7.52	6.33	5.34
747—IXXH60N65B4		TO-247AD-3	116	455	6.21	4.94	4.02
747—IXXH60N65C4		TO-247AD-3	116	455	6.21	4.94	4.02
747—IXXH40N65B4		TO-247AD-3	120	455	4.99	3.97	3.23
747—IXYH50N65C3		TO-247-3	130	600	5.80	4.62	3.76
747—IXYA50N65C3		TO-263-2	130	600	6.21	4.94	4.02
747—IXYH50N65C3H1		TO-247-3	130	600	6.21	4.94	4.02
747—IXYP50N65C3		TO-220-3	130	600	6.02	4.79	3.90
747—IXXR110N65B4H1		ISOPLUS 247-3	150	455	12.21	10.24	9.65
747—IXXH80N65B4		TO-247AD-3	160	625	6.06	5.12	4.31
747—IXXH80N65B4H1		TO-247AD-3	160	625	8.22	6.93	5.85
747—IXYN100N65C3H1		SOT-227B-4	166	600	23.76	19.79	18.59
747—IXYH75N65C3		TO-247-3	170	750	6.58	5.54	4.68
747—IXYH75N65C3H1		TO-247-3	170	750	11.61	9.74	9.18
747—IXYH100N65C3		TO-247-3	200	830	7.94	6.69	5.65
747—IXXN110N65C4H1		SOT-227B-4	210	750	22.53	18.77	17.63
747—IXXN110N65B4H1		SOT-227	215	750	22.53	18.77	17.63
747—IXXH110N65C4		TO-247AD-3	234	880	7.28	6.13	5.18
747—IXXK110N65B4H1		TO-264-3	240	880	11.24	9.43	8.89
747—IXXX110N65B4H1		PLUS 247-3	240	880	10.81	9.07	8.55
747—IXXK160N65C4		TO-264-3	290	940	13.71	11.51	10.84
747—IXXX160N65C4		PLUS 247-3	290	940	13.39	11.24	10.59
747—IXXK160N65B4		TO-264-3	310	940	13.71	11.51	10.84
747—IXXX160N65B4		PLUS 247-3	310	940	13.39	11.24	10.59
747—IXXK200N65B4		TO-264-3	370	1150	17.52	14.70	13.85
747—IXXX200N65B4		PLUS247-3	370	1150	17.26	14.48	13.65

1200V XPT™ IGBTs

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Package Style	IC (A)	Power (W)	Price Each		
Mfr.	Mfr. Part No.				1	10	100
747—IXA12IF1200HB		TO-247-3	20	85	5.07	4.04	3.29
747—IXA12IF1200PB		TO-220-3	20	85	4.45	3.54	2.88
747—IXYJ20N120C3D1		TO-247-3	21	105	11.46	9.61	9.06
747—IXA17IF1200HJ		ISOPLUS 247-3	28	100	7.12	6.00	5.06
747—IXA20I1200PB		TO-220-3	33	130	4.75	3.78	3.08
747—IXA20IF1200HB		TO-247-3	38	165	6.48	5.46	4.61
747—IXYP20N120C3		TO-220-3	40	278	4.94	3.93	3.20
747—IXA27IF1200HJ		ISOPLUS 247-3	43	150	8.60	7.24	6.11
747—IXA30PG1200DHLB		ISOPLUS-9	43	150	18.44	15.48	14.58
747—IXA37IF1200HJ		ISOPLUS 247-3	58	195	10.43	8.79	7.42
747—IXYH40N120C3D1		TO-247-AD-3	64	480	11.11	9.36	7.90
747—IXYP30N120C3		TO-220-3	66	416	6.51	5.48	4.63
747—IXYH30N120C3		TO-247-3	66	416	7.92	6.67	5.63
747—IXYH30N120C3D1		TO-247-AD-3	66	416	10.41	8.77	7.40
747—IXYH40N120C3		TO-247-AD-3	70	577	8.69	7.32	6.18
747—IXA45IF1200HB		TO-247-3	78	325	10.31	8.69	7.33
747—IXA55H1200HJ		ISOPLUS 247-3	84	290	13.69	11.49	10.83
747—IXA60IF1200NA		SOT-227B-4	88	290	26.15	21.79	20.47
747—IXYH50N120C3D1		TO-247-AD-3	90	625	7.42	6.25	5.28
747—IXA70H1200NA		SOT-227B-4	100	350	22.07	18.39	17.28
747—IXYA10N120C3		ISOPLUS 247-3	104	484	19.86	15.54	14.00
747—IXYN82N120C3H1		SOT-227	105	500	37.62	31.34	29.44
747—IXYH50N120C3		TO-247	105	625	11.23	9.46	7.99
747—IXYN82N120C3		SOT-227B-4	120	600	30.09	25.07	23.55
747—IXYN100N120C3		SOT-227B-4	152	830	34.19	28.49	26.76
747—IXYB82N120C3H1		PLUS-264	160	1040	21.12	17.60	16.53
747—IXYH82N120C3		TO-247	160	1040	13.76	11.54	10.88
747—IXYX100N120C3		PLUS-247-3	188	1150	19.28	16.18	15.25

ENERGY EFFICIENT HIGH-POWER IGBTs (CONT.)

1600-1700V IGBT Bimosfet™

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Package Style	IC (A)	Power (W)	Price Each		
Mfr.	Mfr. Part No.				1	10	100
747—IXBH40N160		TO-247AD	33	350	22.75	18.95	17.80
747—IXBH16N170A		TO-247AD	16	150	12.16	10.21	9.62
747—IXBT16N170A		TO-268	16	150	12.79	10.73	10.11
747—IXBH16N170		TO-247AD	25	360	11.80	9.90	9.33
747—IXBH42N170A		TO-247AD	42	357	20.89	17.40	16.35
747—IXBH42N170		TO-247AD	70	150	20.29	16.91	15.88
747—IXBT42N170		TO-268	80	360	21.34	17.78	16.70

THYRISTOR MODULE

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Package Style	VRRM (V)	IRMS (A)	Price Each		
Mfr.	Mfr. Part No.				1	10	100
747—MCC44-18IO1B		TO-240AA	1800	80	31.20	26.00	24.42

PHASE CONTROL THYRISTORS

- Features:
- Vrrm: 800V to 2200V
 - Phase leg (FCC_) and high voltage (CS_M_) types in ISOPLUS
 - Itav: 16A to 63A
 - i4-PAC as well as TO-208 and TO-64 case styles available
 - Single configuration

*Phase Leg Configuration

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Package Style	VRRM (V)	IRMS (A)	Price Each		
Mfr.	Mfr. Part No.				1	10	100
747—CS35-08IO4		TO-208AC	800	63	39.38	32.81	30.82
* 747—DSEE30-12A		TO-247AD	1200	30	9.07	7.64	6.45
747—CS35-12IO4		TO-208AC	1200	63	38.63	34.45	31.31
747—CS35-14IO4		TO-208AC	1400	63	40.48	36.10	32.81
747—CS23-16IO2		TO-208AA	1600	25	30.25	25.21	23.68

HiPERFET™ POWER MOSFETS WITH FAST INTRINSIC DIODES

- Specifications:
- Single configuration

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Package Style	VDSS (V)	ID (A)	Price Each		
Mfr.	Mfr. Part No.				1	10	100
747—IXFH70N20Q3		TO-247	200	70	9.71	8.18	6.91
747—IXFT70N20Q3		TO-268	200	70	10.96	9.24	7.80
747—IXFH50N30Q3		TO-247	300	50	9.71	8.18	6.91
747—IXFH70N30Q3		TO-247	300	70	13.93	11.69	11.01
747—IXFT70N30Q3		TO-268	300	70	15.39	12.92	12.17
747—IXFR44N50Q3		ISOPLUS-247	500	25	17.63	14.79	13.94
747—IXFH30N50Q3		TO-247	500	30	9.71	8.18	6.91
747—IXFT30N50Q3		TO-268	500	30	10.96	9.24	7.80
747—IXFR44N50Q3		TO-247	500	44	13.93	11.69	11.01
747—IXFR64N50Q3		ISOPLUS-247	500	45	21.38	17.81	16.73
747—IXFR80N50Q3		ISOPLUS-247	500	50	24.29	20.23	19.01
747—IXFN80N50Q3		SOT-227	500	63	38.54	32.11	30.17
747—IXFX64N50Q3		PLUS-247	500	64	20.46	17.17	16.18
747—IXFX80N50Q3		PLUS-247	500	80	22.11	18.42	17.30
747—IXFN100N50Q3		SOT-227	500	82	43.17	38.49	34.99
747—IXFB100N50Q3		PLUS-264	500	100	30.75	25.62	24.07
747—IXFR44N60		ISOPLUS-247	600	38	20.02	16.68	15.67
747—IXFR64N60Q3		ISOPLUS-247	600	42	28.04	23.36	21.94
747—IXFN82N60Q3		SOT-227	600	66	43.17	38.49	34.99
747—IXFB82N60Q3		PLUS-264	600	82	30.75	25.62	24.07
747—IXFR80N60Q3		ISOPLUS-247	800	24	23.92	19.93	18.72
747—IXFR32N80Q3		TO-264	800	32	20.64	17.32	16.32
747—IXFK44N80Q3		TO-264	800	44	29.14	24.28	22.81
747—IXFN62N80Q3		SOT-227	800	49	43.17	38.49	34.99
747—IXFB26N80Q3		PLUS-264	800	62	30.75	25.62	24.07
747—IXFR15N100Q3		ISOPLUS-247	1000	10	15.13	12.70	11.96
747—IXFH15N100Q3		TO-247	1000	15	11.52	9.67	9.11
747—IXFT15N100Q3		TO-268	1000	15	12.90	10.82	10.20
747—IXFH18N100Q3		TO-247	1000	18	13.93	11.69	11.01
747—IXFK24N100Q3		TO-264	1000	24	20.64	17.32	16.32
747—IXFX24N100Q3		PLUS-247	1000	24	20.46	17.17	16.18
747—IXFN32N100Q3		SOT-227	1000	28	45.51	40.58	36.89
747—IXFK32N100Q3		TO-264	1000	32	22.24	18.53	17.41
747—IXFX32N100Q3		PLUS-247	1000	32	22.11	18.42	17.30
747—IXFN44N100Q3		SOT-227	1000	38	43.17	38.49	34.99
747—IXFB44N100Q3		PLUS-264	1000	44	30.75	25.62	24.07

