

IXYS Diodes and Power Devices



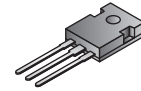
SCHOTTKY DIODES

- Vrrm: 8V to 200V. Ifav:6A to 200A
- Extremely low switching losses
- Low voltage peaks for reduced protection circuits
- Very low VF, Low IRM-values, Low noise switching
- High reliability circuit operation

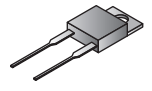
This product is RoHS compliant.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	IXYS Part No.	Package Style	VRRM (V)	IFAVM d=0.5 Total (A)	Configuration	Price Each			
						1	10	20	50
747-DSSK70-0015B	DSSK70-0015B	TO-247AD	15	70	Common Cathode	4.93	3.94	3.12	2.96
747-DSS16-0045A	DSS16-0045A	TO-220AC	45	16	Single	2.01	1.68	1.51	1.34
747-DSS25-0045A	DSS25-0045A	TO-220AC	45	25	Single	2.31	1.93	1.74	1.54
747-DSSK80-0045B	DSSK80-0045B	TO-247AD	45	80	Common Cathode	5.78	4.62	4.25	3.47
747-DSS2X121-0045B	DSS2X121-0045B	SOT-227B	45	2x120	Dual	32.13	25.70	23.56	19.27
747-DSS2X41-01A	DSS2X41-01A	SOT-227B	100	2x40	Dual	26.88	21.50	19.71	16.12
747-DSS2X61-01A	DSS2X61-01A	SOT-227B	100	2x60	Dual	28.23	23.35	21.02	18.68
747-DSS2X160-01A	DSS2X160-01A	SOT-227B	100	2x160	Dual	32.45	25.96	22.41	19.48
747-DSSK60-015A	DSSK60-015A	TO-247AD	150	60	Common Cathode	6.38	5.10	4.39	3.82



TO-247AD



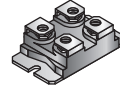
TO-220AC

FAST RECOVERY (FRED) DIODES

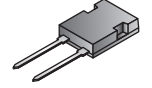
- Blocking voltages: 200V to 1200V
- trr : < 40ns
- Variety of packages, including isolated types available.
- Ifav: 6A - 165A
- Single, Dual or Common Cathode configurations available

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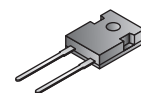
MOUSER STOCK NO.	IXYS Part No.	Package Style	VRRM (V)	IFAVM d=0.5 Total (A)	Configuration	Price Each			
						1	10	20	50
747-DSEI2X121-02A	DSEI2X121-02A	SOT-227B	200	2x123	Dual	33.00	26.40	24.20	19.79
747-DSEI8-06A	DSEI8-06A	TO-220AC	600	8	Single	1.10	.88	.75	.66
747-DSEI12-06A	DSEI12-06A	TO-220AC	600	14	Single	1.60	1.28	1.12	.96
747-DSS17-06CR	DSS17-06CR	ISOPLUS-247	600	17	Single	15.78	13.15	11.83	10.52
747-DSEP29-06B	DSEP29-06B	TO-220AC	600	30	Single	3.57	2.98	2.68	2.38
747-DSEP30-06A	DSEP30-06A	TO-247AC	600	30	Single	4.13	3.30	3.12	2.72
747-DSEI30-06A	DSEI30-06A	TO-247AD	600	37	Single	4.26	3.55	3.19	2.84
747-DSEI60-06A	DSEI60-06A	TO-247AD	600	60	Single	5.65	4.52	4.14	3.39
747-DSEK60-06A	DSEK60-06A	TO-247AD	600	60	Common Cathode	5.73	4.58	4.20	3.43
747-MEK95-06DA	MEK95-06DA	TO-240AA	600	95	Common Cathode	49.35	41.12	37.01	32.90
747-DSEP2X61-06A	DSEP2X61-06A	SOT-227B	600	120	Dual	35.00	28.00	25.66	21.00
747-DSEI12-10A	DSEI12-10A	TO-220AC	1000	12	Single	1.65	1.32	1.21	.99
747-DSEI30-10A	DSEI30-10A	TO-247AD	1000	30	Single	3.65	2.92	2.60	2.19
747-DSEI60-10A	DSEI60-10A	TO-247AD	1000	60	Single	5.83	4.66	4.37	3.49
747-DSEI2X31-10B	DSEI2X31-10B	SOT-227B	1000	2x30	Dual	25.25	20.20	17.50	15.16
747-DSEI12-12A	DSEI12-12A	TO-220AC	1200	11	Single	1.68	1.34	1.22	1.01
747-DSEP12-12A	DSEP12-12A	TO-220AC	1200	15	Single	1.72	1.55	1.39	1.17
747-DSEI20-12A	DSEI20-12A	TO-220AC	1200	17	Single	2.70	2.16	1.98	1.63
747-DSEI30-12A	DSEI30-12A	TO-247AD	1200	26	Single	3.73	2.98	2.45	2.23
747-DSEP30-12A	DSEP30-12A	TO-247AC	1200	30	Single	4.50	3.60	3.12	2.70
747-DSEI60-12A	DSEI60-12A	TO-247AD	1200	52	Single	5.93	4.74	4.12	3.55
747-DSEP60-12A	DSEP60-12A	TO-247AC	1200	60	Single	6.66	6.02	5.24	4.74
747-DSI60-18A	DSI60-18A	TO-247AD	1800	63	--	21.78	19.70	16.40	13.79
747-DH2X60-18A	DH2X60-18A	SOT-227B	1800	2x60	Dual	47.34	39.98	35.77	31.56



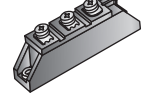
SOT-227B



ISOPLUS-247



TO-247AC



TO-240AA

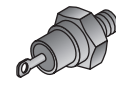
RECTIFIER DIODES

- Vrrm: 800 to 1600V. If(av): 2.3A to 110A
- Planar glassivated chips
- Single, Phase leg, common cathode or dual diode
- DS: Standard DSA-Avalanche rated
- Ideal for 50/60 Hz rectification

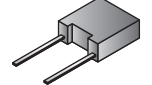


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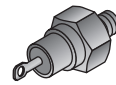
MOUSER STOCK NO.	IXYS Part No.	Package Style	VRRM (V)	IF (A)	Configuration	Price Each			
						1	10	20	50
747-DSI35-12A	DSI35-12A	DO-203AB	1200	49	Single	8.58	7.15	6.44	5.72
747-DSP25-12A	DSP25-12A	TO-247AD	1200	56	Phase Leg	4.25	3.40	3.12	2.55
747-DSI60-14A	DSI60-14A	TO-247AD	1400	63	-	7.30	-	-	-
747-DSA2-16A	DSA2-16A	Axial	1600	3.6	Single	4.38	3.50	3.12	2.63
747-DSA9-16F	DSA9-16F	DO-203AA	1600	11	Single	8.19	6.83	6.14	5.46
747-DSA17-16A	DSA17-16A	DO-203AA	1600	25	Single	7.92	7.16	6.45	5.66
747-DSA17-16A	DSA17-16A	DO-203AA	1600	25	Single	7.92	7.16	6.94	5.66
747-DSP25-16A	DSP25-16A	TO-247AD	1600	56	Phase Leg	4.65	3.72	3.41	2.79
747-DSP25-16AR	DSP25-16AR	ISOPLUS-247	1600	56	Phase Leg	8.97	7.47	6.72	5.98
747-DSA75-16B	DSA75-16B	DO-203AB	1600	110	Single	23.08	20.88	20.25	16.49
747-DSAI75-16B	DSAI75-16B	DO-203AB	1600	110	Single	23.08	20.88	20.25	16.49
747-DSA1-18D	DSA1-18D	Plastic	1800	2.3	Single	4.56	3.80	3.42	3.04



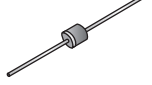
DO-203AB



Axial



DO-203AA



Plastic

POWER MODULES AND POWER DEVICES

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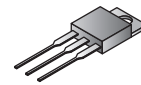
MOUSER STOCK NO.	IXYS Part No.	Package Style	Volts	Amps	Configuration	Price Each			
						1	10	20	50
747-IXCP10M45S	IXCP10M45S	TO-220AB	450	10	Single	2.10	1.68	1.56	1.39
747-IXCP10M90S	IXCP10M90S	TO-220AB	900	100	Single	3.60	3.00	2.70	2.40
747-DSA1-18D	DSA1-18D	Plastic	1800	2.3	Single	4.56	3.80	3.42	3.04

IXBD4411 ISOLATED HALF BRIDGE DRIVER CHIP SET AND EVALUATION BOARD

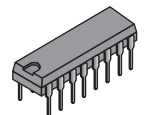


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MOUSER STOCK NO.	IXYS Part No.	Package Style	Description	Ipk Tc=25°C (A)	PD Tc=25°C (W)	Price Each			
						1	10	20	50
747-IXBD4411SI	IXBD4411SI	SOIC-CT-16	High Side Driver	2	33	4.44	3.70	3.33	2.96
Evaluation Board Description									
747-EVBD4400	EVBD4400		Half Bridge Driver Evaluation Board			176.24	-	-	-



TO-220AB



SOIC-CT-16