

Rectifier Diodes

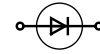
$I_{FAV} = 2 - 30 \text{ A}$,
Standard & Avalanche Rectifier



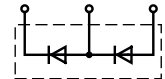
DAA...EM...












DLA...IM...
DMA...IM...



DS/DSA/DSI
DMA...I...
DLA...I...



DSP
DMA...P...
DLA...P...

Type	V_{RRM}	I_{FAV}	@ T_C	P_{RSM}	I_{FRMS}	I_{FSM}	V_{F0}	r_F	T_{VJM}	R_{thJC}	R_{thCH}	Fig. No.	Package style
> New	V	A	°C	kW	A	A	V	mΩ	°C	K/W	K/W		Outline drawings on pages O-36...O-59
DSA 1-12D	1200	2.3	T_{amb}	1.6	7	110	0.80	67.0	150	R_{thJA}		X201	X004 TO-252AA 
DSA 1-16D	1600		45									X201	
DSA 1-18D	1800											X201	
DLA 5P800UC	2x 800	5	140	-	20	40	0.74	44.0	175	5.50	0.50	X004	X004a TO-252AA 
DSP 8-08S	2x 800	8	160	-	25	100	0.79	33.0	175	1.50	0.25	X011b	
DSP 8-12S	2x 1200											X011b	
DSP 8-08A	2x 800											X005a	
DSP 8-12A	2x 1200											X005a	
DSP 8-08AS	2x 800											X011a	
DSP 8-12AS	2x 1200											X011a	
DLA 10IM800UC	800	10	100	-	20	80	0.80	22.0	175	3.15	0.50	X004	X004 TO-252AA 
DLA 20IM800PC		20	100	-	35	200	0.80	19.0	175	1.80	0.25	X011b	
> DMA 10IM1200UZ	1200	10	150	-	20	120	0.82	37.0	175	1.50	0.50	X004a	X005a TO-220AB 
> DMA 10IM1600UZ	1600											X004a	
> DMA 10P1200UZ	1200	10	140	-	20	100	0.90	37.0	175	2	0.50	X004a	
> DMA 10P1600UZ	1600											X004a	
DMA 10I1600PA	1600	10	150	-	20	120	0.82	37.0	175	1.50	0.50	X005b	X005b TO-220AC 
DMA 10IM1600PZ	1600										0.25	X011c	
DMA 10P1600PZ	2x 1600											X011c	
DMA 10P1800PZ	2x 1800											X011c	
DAA 10EM1800PZ	1800	10	150	1.6	25	150	0.81	32.0	175	1.50	0.25	X011c	
DAA 10P1800PZ	2x 1800	10	150	1.6	25	150	0.82	37.0	175	1.50	0.25	X011c	
> DMA 10P1200HR	2x 1200	10	145	-	25	120	0.81	34.0	175	2.00	0.25	X016c	X005b TO-220AC 
> DMA 10P1600HR	2x 1600											X016c	
DSP 25-12A	2x 1200	25	135	-	70	300	0.81	13.8	175	0.90	0.25	X014a	X011a TO-263AA 
DSP 25-16A	2x 1600											X014a	
DSP 25-12AT	2x 1200										0.15	X019	
DSP 25-16AT	2x 1600											X019	
DSP 25-16AR	2x 1600	25	110	-	70	300	0.81	13.8	175	1.50	0.25	X016a	
DSI 30-08A	800	30	130	-	35	300	0.82	14.9	175	0.90	0.50	X005b	X011a TO-263AA 
DSI 30-12A	1200											X005b	
DSI 30-16A	1600											X005b	
DSI 30-08AS	800										0.25	X011b	X011a TO-263AA 
DSI 30-12AS	1200											X011b	
DSI 30-16AS	1600											X011b	

X014a **TO-247AD**



X011c **TO-263ABHV**



X011b **TO-263AB**



X016a **ISOPLUS247™**



X201

FP-case



X016c

ISO247™



X019

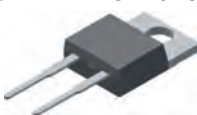







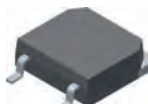
TO-268AA



Rectifier Diodes

$I_{FAV} = 30 - 2 \times 100 \text{ A}$,
Standard & Avalanche Rectifier



Type	V_{RRM}	I_{FAV}	@ T_C	P_{RSM}	I_{FRMS}	I_{FSM}	V_{F0}	r_F	T_{VJM}	R_{thJC}	R_{thCH}	Fig. No.	Package style		
> New	V	A	°C	kW	A	A	V	mΩ	°C	K/W	K/W		Outline drawings on pages O-36...O-59		
DMA 30IM1600PZ	1600	30	140	-	35	300	0.82	14.1	175	0.70	0.25	X011c	X005b TO-220AC 		
DMA 30E1800HA	1800	30	140	-	70	370	0.88	12.1	175	0.70	0.25	X014b			
DMA 30P1200HB	2x 1200	30	130	-	70	370	0.81	12.7	175	0.80	0.25	X014a			
DMA 30P1600HB	2x 1600										0.25	X014a			
DMA 30P1600HR	2x 1600	30	105	-	50	300	0.82	13.5	175	1.30	0.25	X016c	X008b TO-262AA (I²-PAK) 		
DNA 30ER2200IY	2200	30	140	-	35	370	0.88	12.9	175	0.70	0.50	X008b			
DNA 30E2200PA												X005b			
DNA 30E2200PZ												0.25			
DNA 30EM2200PZ												X011c			
DNA 30E2200FE	2200	30	100	-	70	370	0.88	12.2	175	1.35	0.20	X024e	X011b TO-263AB 		
DLA 40IM800PC	800	40	130	-	35	300	0.81	8.0	175	0.80	0.25	X011b			
DSI 45-08A	800	45	130	-	70	480	0.81	9.1	175	0.55	0.25	X014b			
DSI 45-12A	1200											X014b			
DSI 45-16A	1600											X014b			
DSP 45-12A	2x 1200	45	130	-	70	480	0.81	9.1	175	0.55	0.25	X014a	X011c TO-263ABHV 		
DSP 45-12AZ												0.15		X019a	
DSP 45-16A	2x 1600											0.25		X014a	
DSP 45-16AZ												0.15		X019a	
DSP 45-18A	2x 1800										0.25	X014a			
DSI 45-16AR	1600	45	100	-	70	480	0.81	9.1	175	0.90	0.25	X016b	X011c TO-263ABHV 		
DSIK 45-16AR	1600	2x 45										X016a			
DSP 45-16AR	2x 1600	45										X016a			
> DMA 50I800HA	800	50	130	-	70	500	0.81	8.6	175	0.45	0.25	X014b	X014a TO-247AD 		
> DMA 50I1200HA	1200											X014b			
> DMA 50I1600HA	1600											X014b			
DMA 50P1200HR	2x 1200	50	105	-	70	500	0.82	9.0	175	0.70	0.25	X016c	X014a TO-247AD 		
DMA 50P1200HB	2x 1200	50	130	-	70	500	0.81	8.6	175	0.45	0.25	X014a			
DMA 50P1600HB	2x 1600											X014a			
DLA 60I1200HA	1200	60	150	-	70	850	0.77	4.2	175	0.30	0.25	X014b			
> DMA 80IM1600HB	1600	80		-	70	1300	0.82	4.8	175	0.35	0.25	X014a	X014b TO-247AD 		
DSI 2x55-12A	1200	2x 60	95	-	120	800	0.83	6.2	150	0.60	0.10	X027a			
DSI 2x55-16A	1600											X027a			
> DNA 120E2200KO	2200	120	125	-	70	2000	0.75	3.8	175	0.25	0.15	X022f			
DMA 150E1600NA	1600	150	90	-	150	3000	0.83	2.0	150	0.25	0.10	X027a			
DMA 200X1600NA	1600	2x100	100	-	150	1500	0.80	4.0	150	0.30	0.10	X027a	X019a TO-268AAHV 		
DMA 200XA1600NA												X027a			
DAA 200X1800NA												1800		20	X027a
DAA 200XA1800NA															X027a

