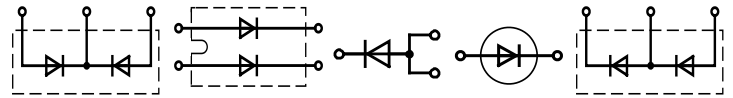


# Rectifier Diodes

$I_{FAV} = 2 - 2x 56 A$ ,  
Std. (DS.,DLA..) & Avalanche Diodes (DSA..)



DSIK

DSI 2x...

DLA...IM...

DS/DSA/DSI...

DSP

Type	$V_{RRM}$	$I_{FAV}$ $T_C = 100^\circ C$	$P_{RSM}$	$I_{FRMS}$	$I_{FSM}$ 10 ms 45°C	$V_{TO}$	$r_T$	$T_{VJM}$	$R_{thJC}$	$R_{thCH}$	Fig. No.	Package style Outline drawings on pages O-30...O-52					
➤ New	V	A	kW	A	A	V	mΩ	°C	K/W	K/W							
DS 1-12D	1200	$T_{amb} = 45^\circ C$	-	7	110	0.80	67	150	$R_{thJA} = 80$		X201	X200 <b>Metal-can</b> Weight = 1.5 g					
DSA 1-12D	1200		1.6	7	110	0.80	67	150									
DSA 1-16D	1600																
DSA 1-18D	1800																
DS 2-08A	800	$T_{amb} = 45^\circ C$	-	7	120	0.85	43	180	$R_{thJA} = 30$		X200	X201 Weight = 0.8 g					
DS 2-12A	1200		2.5	7	120	0.85	43	180									
DSA 2-12A	1200																
DSA 2-16A	1600																
DSA 2-18A	1800											X004 <b>TO-252AA</b> Weight = 0.3 g					
DSP 8-08S	2x 800	$T_C = 130^\circ C$	-	17	100	0.80	40	180	3.50	0.60	X011b						
DSP 8-12S	2x 1200		11	-	17	100	0.80	40					180	3.50	0.60	X005a	
DSP 8-08A	2x 800		11	-	17	100	0.80	40					180	3.50	0.60	X011a	
DSP 8-12A	2x 1200		11	-	17	100	0.80	40					180	3.50	0.60	X011a	
DSP 8-08AS	2x 800		11	-	17	100	0.80	40					180	3.50	0.60	X011a	
DSP 8-12AS	2x 1200		11	-	17	100	0.80	40					180	3.50	0.60	X011a	
DSP 8-12AC ①	2x 1200		11	-	17	100	0.80	41					150	1.80	0.60	X010a	
DSP 25-12A	2x 1200		28	-	43	300	0.80	15					180	1.50	0.40	X014a	X005b <b>TO-220AC</b> Weight = 2 g
DSP 25-16A	2x 1600		28	-	43	300	0.80	15					180	1.50	0.40	X016a	
DSP 25-16AR ①	2x 1600		28	-	43	300	0.80	15					180	1.50	0.40	X019	X010a <b>ISOPLUS220™</b> Weight = 2 g
DSP 25-12AT	2x 1200	28	-	43	300	0.80	15	180	1.50	0.40	X019						
DSP 25-16AT	2x 1600	28	-	43	300	0.80	15	180	1.50	0.40	X019	X010a <b>ISOPLUS220™</b> Weight = 2 g					
DSP 45-12A	2x 1200	45	-	70	480	0.80	11	180	0.55	0.20	X014a						
DSP 45-16A	2x 1600	45	-	70	480	0.80	11	180	0.55	0.20	X014a	X016a					
DSP 45-16AR ①	2x 1600	2x 43	-	70	480	0.80	11	150	0.70	0.20	X016a						
➤ DLA 10IM800UC	800	10		16	80	0.80	22	150	3.15	0.50	X004	X010b <b>ISOPLUS220™</b> Weight = 2 g					
➤ DLA 20IM800PC	800	20		31	200	0.80	19	150	1.80	0.25	X011b						
DSI 30-08A	800	$T_C = 125^\circ C$	-	-	300	0.85	13	150	1.00	0.50	X005b						
DSI 30-12A	1200																
DSI 30-16A	1600																
DSI 30-08AS	800		30	-	-	300	0.85	13	150	1.00			0.50	X011b			
DSI 30-12AS	1200	30	-	-	300	0.85	13	150	1.00	0.50	X011b	X011a <b>TO-263AA</b> Weight = 2 g					
DSI 30-16AS	1600	30	-	-	300	0.85	13	150	1.00	0.50	X011b						
DSI 30-08AC ①	800		-	-	200	0.80	15	150	1.10	0.60	X010b						
DSI 30-12AC ①	800		-	-	200	0.80	15	150	1.10	0.60	X010b						
DSI 45-08A	800	$T_C = 105^\circ C$	-	-	475	0.80	8	150	0.55	0.20	X014b	X011b <b>TO-263AB</b> Weight = 2 g					
DSI 45-12A	1200																
DSI 45-16A	1600																
DSI 45-16AR ①	1600																
DSIK 45-16AR ①	1600	2x 45							0.65		X016b						
DSI 2x55-12A	1200	2x 56	-	120	650	0.80	8	150	0.65	0.10	X027a						
DSI 2x55-16A	1600	2x 56	-	120	650	0.80	8	150	0.65	0.10	X027a	X014a <b>TO-247AD</b> Weight = 6 g					
	1600	$T_C = 80^\circ C$															
① Isolated 2500 $V_{RMS}$												X027a <b>SOT-227B</b> Weight = 30 g <b>miniBLOC</b>					
												X016b <b>ISOPLUS247™</b> Weight = 2 g					
												X016a <b>ISOPLUS247™</b> Weight = 5 g					