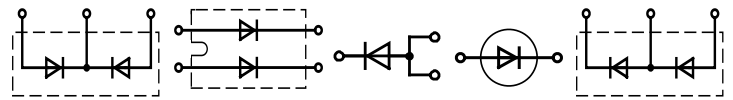


# Rectifier Diodes

$I_{FAV} = 2 - 2x 56 A$ ,  
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	11	-	17	100	0.80	40	180	3.50	0.60	X011b	X005a <b>TO-220AB</b> Weight = 2 g 			
DSP 8-12S	2x 1200		2.5	7	120	0.85	43	180							
DSP 8-08A	2x 800		-	17	100	0.80	40	180							
DSP 8-12A	2x 1200		-	17	100	0.80	40	180							
DSP 8-08AS	2x 800		-	17	100	0.80	40	180							
DSP 8-12AS	2x 1200		-	17	100	0.80	40	180							
DSP 8-12AC ①	2x 1200	-	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		2.5	7	120	0.85	43	180							
DSP 25-16AR ①	2x 1600		-	43	300	0.80	15	180					1.50	0.40	X016a 
DSP 25-12AT	2x 1200		-	43	300	0.80	15	180					1.50	0.40	X019 
DSP 25-16AT	2x 1600		-	43	300	0.80	15	180					1.50	0.40	X019 
DSP 45-12A	2x 1200		45 $T_C = 130^\circ C$	-	70	480	0.80	11					180	0.55	0.20
DSP 45-16A	2x 1600	2.5		7	120	0.85	43	180							
DSP 45-16AR ①	2x 1600	2x43		-	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 				
> DLA 20IM800PC	800	20		31	200	0.80	19	150	1.80	0.25	X011b 				
DSI 30-08A	800	30 $T_C = 125^\circ C$	-	-	300	0.85	13	150	1.00	0.50	X005b	X010b <b>ISOPLUS220™</b> Weight = 2 g 			
DSI 30-12A	1200														
DSI 30-16A	1600														
DSI 30-08AS	800		-	-	300	0.85	13	150					1.00	0.50	X011b 
DSI 30-12AS	1200										X011a <b>TO-263AA</b> Weight = 2 g 				
DSI 30-16AS	1600										X011a <b>TO-263AA</b> Weight = 2 g 				
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	48 $T_C = 105^\circ C$	-	-	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														X016b 
DSIK 45-16AR ①	1600	2x 45							0.65		X016a 				
DSI 2x55-12A	1200	2x 56 $T_C = 80^\circ C$	-	120	650	0.80	8	150	0.65	0.10	X027a	X014a <b>TO-247AD</b> Weight = 6 g 			
DSI 2x55-16A	1600														
① Isolated 2500 V <sub>RMS</sub>															
X027a <b>SOT-227B miniBLOC</b> Weight = 30 g 															
X016b <b>ISOPLUS247™</b> Weight = 2 g 															
X016a <b>ISOPLUS247™</b> Weight = 5 g 															