

30 V, HERMETIC POWER SCHOTTKY RECTIFIERS

TYPE NUMBER	PEAK INVERSE VOLTAGE	MAXIMUM AVERAGE DC OUTPUT CURRENT $T_C = 100^\circ\text{C}$	PEAK 1 CYCLE SURGE CURRENT (8.3ms)	MAXIMUM PEAK FORWARD VOLTAGE (PULSED)				MAXIMUM REVERSE CURRENT @ PIV		MAXIMUM JUNCTION CAP. $V_J = 5\text{V}$	MAXIMUM THERMAL RESIS. $R_{\theta JC}$	PKG. STYLE
				25°C		125°C		25°C	125°C			
				V	A	V	A	mA	mA		°C/W	
SHD116011	30	3.0	55	0.49	3.0	0.39	3.0	0.4	20	220	3.7	 SHD-1
SHD116111	30	7.5	140	0.49	7.5	0.39	7.5	1	50	550	1.7	
SHD116211	30	15	280	0.49	15	0.39	15	2	100	1100	0.85	
SHD116011A	30	3.0	55	0.49	3.0	0.39	3.0	0.4	20	220	3.7	 SHD-1A
SHD116111A	30	7.5	140	0.49	7.5	0.39	7.5	1	50	550	1.7	
SHD116211A	30	15	280	0.49	15	0.39	15	2	100	1100	0.85	
SHD116011B	30	3.0	55	0.49	3.0	0.39	3.0	0.4	20	220	3.7	 SHD-1B
SHD116111B	30	7.5	140	0.49	7.5	0.39	7.5	1	50	550	1.7	
SHD116211B	30	15	280	0.49	15	0.39	15	2	100	1100	0.85	
SHD115111	30	7.5	140	0.49	7.5	0.39	7.5	1	50	550	1.7	 SHD-2
SHD115211	30	15	280	0.49	15	0.39	15	2	100	1100	0.85	
SHD115411	30	30	570	0.49	30	0.39	30	4	200	2200	0.50	
SHD115511	30	60	860	0.53	60	0.43	60	6	300	3300	0.35	
SHD115111A	30	7.5	140	0.49	7.5	0.39	7.5	1	50	550	1.7	 SHD-2A
SHD115211A	30	15	280	0.49	15	0.39	15	2	100	1100	0.85	
SHD115411A	30	30	570	0.49	30	0.39	30	4	200	2200	0.50	
SHD115511A	30	60	860	0.53	60	0.43	60	6	300	3300	0.35	
SHD115111B	30	7.5	140	0.49	7.5	0.39	7.5	1	50	550	1.7	 SHD-2B
SHD115211B	30	15	280	0.49	15	0.39	15	2	100	1100	0.85	
SHD115411B	30	30	570	0.49	30	0.39	30	4	200	2200	0.50	
SHD115511B	30	60	860	0.53	60	0.43	60	6	300	3300	0.35	

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TYPE NUMBER	PEAK INVERSE VOLTAGE	MAXIMUM AVERAGE DC OUTPUT CURRENT T _C = 100°C	PEAK 1 CYCLE SURGE CURRENT (8.3ms)	MAXIMUM PEAK FORWARD VOLTAGE (PULSED)				MAXIMUM REVERSE CURRENT @ PIV		MAXIMUM JUNCTION CAP. V _J = 5V	MAXIMUM THERMAL RESIS. R _{JC}	PKG. STYLE
				25°C		125°C		25°C 125°C				
				V	A	V	A	µA	mA			
SHD114211	30	15	280	0.49	15	0.39	15	2	100	1100	0.85	 SHD-3
SHD114411	30	30	570	0.49	30	0.39	30	4	200	2200	0.50	
SHD114511	30	60	860	0.53	60	0.43	60	6	300	3300	0.35	
SHD114611	30	120	1650	0.53	120	0.43	120	12	600	6600	0.20	
SHD114211A	30	15	280	0.49	15	0.39	15	2	100	1100	0.85	 SHD-3A
SHD114411A	30	30	570	0.49	30	0.39	30	4	200	2200	0.50	
SHD114511A	30	60	860	0.53	60	0.43	60	6	300	3300	0.35	
SHD114611A	30	120	1650	0.53	120	0.43	120	12	600	6600	0.20	
SHD114211B	30	15	280	0.49	15	0.39	15	2	100	1100	0.85	 SHD-3B
SHD114411B	30	30	570	0.49	30	0.39	30	4	200	2200	0.50	
SHD114511B	30	60	860	0.53	60	0.43	60	6	300	3300	0.35	
SHD114611B	30	120	1650	0.53	120	0.43	120	12	600	6600	0.20	
SHD120011	30	3.0	55	0.54	3.0	0.44	3.0	0.4	20	220	5.95	 LCC-5
SHD120111	30	7.5	140	0.55	7.5	0.45	7.5	1	50	550	2.45	
SHD120211	30	15	150	0.58	15	0.48	15	2	100	1100	1.21	
SHD119211	30	15	200	0.58	15	0.48	15	2	100	1100	1.21	 LCC-3P
SHD119411	30	30	200	0.58	30	0.48	30	4	200	2200	0.61	
SHD119511	30	45	200	0.63	45	0.52	45	6	300	3300	0.47	
SHD119611	30	45	200	0.60	45	0.48	45	12	600	6600	0.25	
SHD126011	30	3.0	55	0.59	3.0	0.49	3.0	0.4	20	220	6.35	 TO-257
SHD126111	30	7.5	75	0.58	7.5	0.48	7.5	1	50	550	2.71	
SHD126211	30	15	75	0.58	15	0.48	15	2	100	1100	1.45	
SHD126411	30	16	75	0.55	16	0.43	16	4	200	2200	0.77	

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				25°C		125°C		25°C 125°C				
				V	A	V	A	mA	mA			
SHD125211	30	15	150	0.58	15	0.48	15	2	100	1100	1.45	 TO-254
SHD125411	30	30	150	0.66	30	0.56	30	4	200	2200	0.77	
SHD125511	30	35	150	0.68	35	0.58	35	6	300	3300	0.60	
SHD125611	30	35	150	0.63	35	0.51	35	12	600	6600	0.33	
SHD124211	30	15	200	0.58	15	0.48	15	2	100	1100	1.45	 TO-258
SHD124411	30	30	200	0.66	30	0.56	30	4	200	2200	0.77	
SHD124511	30	45	200	0.74	45	0.63	45	6	300	3300	0.60	
SHD124611	30	45	200	0.71	45	0.58	45	12	600	6600	0.33	

30 V, HIGH CURRENT POWER SCHOTTKY RECTIFIERS

TYPE NUMBER	PEAK INVERSE VOLTAGE	MAXIMUM AVERAGE DC OUTPUT CURRENT T _C = 100°C	PEAK 1 CYCLE SURGE CURRENT (8.3ms) PER LEG	MAXIMUM PEAK FORWARD VOLTAGE PER LEG (PULSED)				MAXIMUM REVERSE CURRENT PER LEG @ PIV		MAXIMUM JUNCTION CAP. PER LEG V _J = 5V	MAXIMUM THERMAL RESIS. R _{θJC}	PKG. STYLE
				25°C		125°C		25°C 125°C				
				V	A	V	A	mA	mA			
SHD122611D	30	120	1000	0.65	120	0.55	120	12	600	6600	0.2	 PKG.22
SHD122611N	30	150	1000	0.65	120	0.55	120	12	600	6600	0.2	
SHD122611P	30	150	1000	0.65	120	0.55	120	12	600	6600	0.2	
SHD123611D	30	120	1000	0.65	120	0.55	120	12	600	6600	0.2	 PKG.23
SHD123611N	30	150	1000	0.65	120	0.55	120	12	600	6600	0.2	
SHD123611P	30	150	1000	0.65	120	0.55	120	12	600	6600	0.2	

30 V, HERMETIC POWER SCHOTTKY RECTIFIERS

TYPE NUMBER	PEAK INVERSE VOLTAGE V _{PIV}	MAXIMUM AVERAGE DC OUTPUT CURRENT T _C = 100°C	PEAK 1-CYCLE SURGE CURRENT (8.3ms) PER LEG	MAXIMUM PEAK FORWARD VOLTAGE PER LEG (PULSED)				MAXIMUM REVERSE CURRENT PER LEG @ PIV		MAXIMUM JUNCTION CAP. PER LEG V _J = 5V	MAXIMUM THERMAL RESIS. R _{θJC}	PKG. STYLE
				25°C		125°C		25°C 125°C				
				V	A	V	A	mA	mA			
SHD117011	30	6	55	0.49	3.0	0.39	3.0	0.4	20	220	1.8	 SHD-4
SHD117111	30	15	140	0.49	7.5	0.39	7.5	1	50	550	0.85	
SHD117211	30	30	280	0.49	15	0.39	15	2	100	1100	0.40	
SHD117011A	30	6	55	0.49	3.0	0.39	3.0	0.4	20	220	1.8	 SHD-4A
SHD117111A	30	15	140	0.49	7.5	0.39	7.5	1	50	550	0.85	
SHD117211A	30	30	280	0.49	15	0.39	15	2	100	1100	0.40	
SHD117011B	30	6	55	0.49	3.0	0.39	3.0	0.4	20	220	1.8	 SHD-4B
SHD117111B	30	15	140	0.49	7.5	0.39	7.5	1	50	550	0.85	
SHD117211B	30	30	280	0.49	15	0.39	15	2	100	1100	0.40	
SHD118111	30	15	140	0.49	7.5	0.39	7.5	1	50	550	0.85	 SHD-5
SHD118211	30	30	280	0.49	15	0.39	15	2	100	1100	0.40	
SHD118411	30	60	570	0.49	30	0.39	30	4	200	2200	0.25	
SHD118511	30	120	860	0.53	60	0.43	60	6	300	3300	0.18	 SHD-5A
SHD118111A	30	15	140	0.49	7.5	0.39	7.5	1	50	550	0.85	
SHD118211A	30	30	280	0.49	15	0.39	15	2	100	1100	0.40	
SHD118411A	30	60	570	0.49	30	0.39	30	4	200	2200	0.25	 SHD-5B
SHD118511A	30	120	860	0.53	60	0.43	60	6	300	3300	0.18	
SHD118111B	30	15	140	0.49	7.5	0.39	7.5	1	50	550	0.85	
SHD118211B	30	30	280	0.49	15	0.39	15	2	100	1100	0.40	 SHD-5B
SHD118411B	30	60	570	0.49	30	0.39	30	4	200	2200	0.25	
SHD118511B	30	120	860	0.53	60	0.43	60	6	300	3300	0.18	

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TYPE NUMBER	PEAK INVERSE VOLTAGE	MAXIMUM AVERAGE DC OUTPUT CURRENT $T_C = 100^\circ\text{C}$	PEAK 1-CYCLE SURGE CURRENT (8.3ms) PER LEG	MAXIMUM PEAK FORWARD VOLTAGE PER LEG (PULSED)				MAXIMUM REVERSE CURRENT PER LEG @ PIV		MAXIMUM JUNCTION CAP. PER LEG $V_f = 5\text{V}$	MAXIMUM THERMAL RESIS. $R_{\theta JC}$	PKG. STYLE
				25°C		125°C		25°C	125°C			
				V	A	V	A	mA	mA		°C/W	
SHD120011P	30	6	55	0.54	3.0	0.44	3.0	0.4	20	220	2.97	
SHD119111P	30	15	140	0.67	7.5	0.47	7.5	1	50	550	1.21	
SHD119211P	30	30	200	0.58	15	0.48	15	2	100	1100	0.61	TO-18P

SHD126011D	30	3.0	55	0.59	3.0	0.49	3.0	0.4	20	220	3.17	
SHD126011N	30	6	55	0.59	3.0	0.49	3.0	0.4	20	220	3.17	
SHD126011P	30	6	55	0.58	3.0	0.48	3.0	0.4	20	220	3.17	
SHD126111D	30	7.5	75	0.58	7.5	0.48	7.5	1	50	550	1.36	
SHD126111N	30	15	75	0.58	7.5	0.48	7.5	1	50	550	1.36	
SHD126111P	30	15	75	0.58	7.5	0.48	7.5	1	50	550	1.36	
SHD126211D	30	15	75	0.58	15	0.48	15	2	100	1100	0.72	
SHD126211N	30	16	75	0.58	15	0.48	15	2	100	1100	0.72	
SHD126211P	30	16	75	0.58	15	0.48	15	2	100	1100	0.72	
SHD125011D	30	3	55	0.59	3.0	0.49	3.0	0.4	20	220	3.17	
SHD125011N	30	6	55	0.59	3.0	0.49	3.0	0.4	20	220	3.17	
SHD125011P	30	6	55	0.59	3.0	0.49	3.0	0.4	20	220	3.17	
SHD125111D	30	7.5	140	0.58	7.5	0.48	7.5	1	50	550	1.36	
SHD125111N	30	15	140	0.58	7.5	0.48	7.5	1	50	550	1.36	
SHD125111P	30	15	140	0.58	7.5	0.48	7.5	1	50	550	1.36	

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TYPE NUMBER	PEAK INVERSE VOLTAGE	AVERAGE DC OUTPUT CURRENT $T_C = 100^\circ\text{C}$	PEAK 1 CYCLE SURGE CURRENT ($t = 3\text{ms}$) PER LEG	PEAK FORWARD VOLTAGE PER LEG (PULSED)				REVERSE CURRENT PER LEG @ PIV		JUNCTION CAP PER LEG $V_f = 5\text{V}$	THERMAL RESIS $R_{\theta JC}$	PKG. STYLE
				25°C		125°C		25°C 125°C				
				V	A	V	A	mA	mA			
SHD125211D	30	15	150	0.58	15	0.48	15	2	100	1100	0.72	 TO-254
SHD125211N	30	30	150	0.58	15	0.48	15	2	100	1100	0.72	
SHD125211P	30	30	150	0.58	15	0.48	15	2	100	1100	0.72	
SHD125411P	30	35	150	0.66	30	0.58	30	4	200	2200	0.39	
SHD124111D	30	7.5	140	0.58	7.5	0.48	7.5	1	50	550	1.36	 TO-258
SHD124111N	30	15	140	0.58	7.5	0.48	7.5	1	50	550	1.36	
SHD124111P	30	15	140	0.58	7.5	0.48	7.5	1	50	550	1.36	
SHD124211D	30	15	200	0.58	15	0.48	15	2	100	1100	0.72	
SHD124211N	30	30	200	0.58	15	0.48	15	2	100	1100	0.72	
SHD124211P	30	30	200	0.58	15	0.48	15	2	100	1100	0.72	
SHD124411D	30	30	200	0.66	30	0.56	30	4	200	2200	0.39	
SHD124411N	30	45	200	0.66	30	0.56	30	4	200	2200	0.39	
SHD124411P	30	45	200	0.66	30	0.56	30	4	200	2200	0.39	
SHD124511D	30	45	200	0.74	45	0.63	45	6	300	3300	0.30	
SHD124511N	30	45	200	0.74	45	0.63	45	6	300	3300	0.30	
SHD124511P	30	45	200	0.74	45	0.63	45	6	300	3300	0.30	