















100 V, 200°C OPERATING TEMPERATURE  
HERMETIC POWER SEMI-CONDUCTOR RECTIFIERS




TYPE NUMBER	PEAK REVERSE VOLTAGE	MAXIMUM AVERAGE DC OUTPUT CURRENT T <sub>C</sub> = 100°C	PEAK 1 CYCLE SURGE CURRENT (8.3ms)	MAXIMUM PEAK FORWARD VOLTAGE (PULSED)				MAXIMUM REVERSE CURRENT @ 100V		THERMAL JUNCTION CAP V <sub>J</sub> = 5V	MAXIMUM THERMAL RESISTANCE R <sub>θJC</sub>	PKG. STYLE
				25°C		125°C		25°C	125°C			
				V	A	V	A	mA	mA			
SHD116044	100	3.0	55	0.84	3.0	0.68	3.0	0.07	1.6	100	3.7	 SMD-1
SHD116144	100	7.5	140	0.84	7.5	0.68	7.5	0.18	4	250	1.7	
SHD116244	100	15	280	0.84	15	0.68	15	0.35	8	500	0.85	
SHD116044A	100	3.0	55	0.84	3.0	0.68	3.0	0.07	1.6	100	3.7	 SMD-1A
SHD116144A	100	7.5	140	0.84	7.5	0.68	7.5	0.18	4	250	1.7	
SHD116244A	100	15	280	0.84	15	0.68	15	0.35	8	500	0.85	
SHD116044B	100	3.0	55	0.84	3.0	0.68	3.0	0.07	1.6	100	3.7	 SMD-1B
SHD116144B	100	7.5	140	0.84	7.5	0.68	7.5	0.18	4	250	1.7	
SHD116244B	100	15	280	0.84	15	0.68	15	0.35	8	500	0.85	
SHD115144	100	7.5	140	0.84	7.5	0.68	7.5	0.18	4	250	1.7	 SMD-2
SHD115244	100	15	280	0.84	15	0.68	15	0.35	8	500	0.85	
SHD115444	100	30	570	0.84	30	0.68	30	0.75	15	1000	0.50	
SHD115544	100	60	860	0.87	60	0.72	60	1	24	1500	0.35	 SMD-2A
SHD115144A	100	15	140	0.84	7.5	0.68	7.5	0.18	4	250	1.7	
SHD115244A	100	15	280	0.84	15	0.68	15	0.35	8	500	0.85	
SHD115444A	100	30	570	0.84	30	0.68	30	0.75	15	1000	0.50	 SMD-2B
SHD115544A	100	60	860	0.87	60	0.72	60	1	24	1500	0.35	
SHD115144B	100	7.5	140	0.84	7.5	0.68	7.5	0.18	4	250	1.7	
SHD115244B	100	15	280	0.84	15	0.68	15	0.35	8	500	0.85	
SHD115444B	100	30	570	0.84	30	0.68	30	0.75	15	1000	0.50	
SHD115544B	100	60	860	0.87	60	0.72	60	1	24	1500	0.35	

100 V, 200°C OPERATING TEMPERATURE  
HERMETIC POWER SENSITRON RECTIFIERS





TYPE NUMBER	PEAK REVERSE VOLTAGE V	MAXIMUM AVERAGE DC OUTPUT CURRENT I <sub>O</sub> @ 100°C	PEAK 1-CYCLE SURGE CURRENT (8.3ms)	MAXIMUM PEAK FORWARD VOLTAGE (PULSED)				MAXIMUM REVERSE CURRENT @ PIV		MAXIMUM JUNCTION CAP C <sub>J</sub> = 5V	MAXIMUM THERMAL RESIS. R <sub>θJC</sub>	PKG. STYLE
				25°C		125°C		25°C	125°C			
				V	A	V	A	μA	mA			
SHD114244	100	15	280	0.84	15	0.68	15	0.35	8	500	0.85	
SHD114444	100	30	570	0.84	30	0.68	30	0.75	15	1000	0.50	
SHD114544	100	60	880	0.87	60	0.72	60	1	24	1500	0.35	
SHD114844	100	120	1650	0.87	120	0.72	120	2	48	3000	0.20	
SHD114244A	100	15	280	0.84	15	0.68	15	0.35	8	500	0.85	
SHD114444A	100	30	570	0.84	30	0.68	30	0.75	15	1000	0.50	
SHD114544A	100	60	880	0.87	60	0.72	60	1	24	1500	0.35	
SHD114844A	100	120	1650	0.87	120	0.72	120	2	48	3000	0.20	
SHD114244B	100	15	280	0.84	15	0.68	15	0.35	8	500	0.85	
SHD114444B	100	30	570	0.84	30	0.68	30	0.75	15	1000	0.50	
SHD114544B	100	60	880	0.87	60	0.72	60	1	24	1500	0.35	
SHD114844B	100	120	1650	0.87	120	0.72	120	2	48	3000	0.20	
SHD120044	100	3.0	55	0.89	3.0	0.73	3.0	0.07	1.6	100	6.35	
SHD120144	100	7.5	140	0.90	7.5	0.74	7.5	0.18	4	250	2.45	
SHD120244	100	15	150	0.83	15	0.77	15	0.35	8	500	1.21	
SHD119244	100	15	200	0.88	15	0.77	15	0.35	8	500	1.21	
SHD119444	100	30	200	0.89	30	0.77	30	0.75	15	1000	0.61	
SHD119544	100	45	200	0.89	45	0.81	45	1	24	1500	0.47	
SHD119744	100	45	200	0.92	45	0.74	45	1.2	48	3000	0.25	
SHD126044	100	3.0	55	0.91	3.0	0.78	3.0	0.07	1.6	100	6.35	
SHD126144	100	7.5	75	0.89	7.5	0.77	7.5	0.18	4	250	2.71	
SHD126244	100	15	75	0.93	15	0.77	15	0.35	8	500	1.45	
SHD126444	100	18	75	0.90	18	0.71	18	0.75	15	1000	0.77	

100 V, 200°C OPERATING TEMPERATURE  
HERMETIC POWER SCHOTTKY RECTIFIERS

TYPE NUMBER	PEAK INVERSE VOLTAGE	MAXIMUM AVERAGE DC OUTPUT CURRENT T <sub>C</sub> = 100°C	PEAK 1-CYCLE SURGE CURRENT (8.3ms)	MAXIMUM PEAK FORWARD VOLTAGE (PULSED)				MAXIMUM REVERSE CURRENT @ PIV		MAXIMUM JUNCTION CAP. V <sub>J</sub> = 5V	MAXIMUM THERMAL RESIS. R <sub>θJC</sub>	PKG. STYLE
				25°C		125°C		25°C	125°C			
				V	A	V	A	mA	mA			
SHD125244	100	15	150	0.93	15	0.77	15	0.35	8	500	1.45	
SHD125444	100	30	150	1.01	30	0.85	30	0.75	15	1000	0.77	
SHD125544	100	35	150	1.02	35	0.84	35	1	24	1500	0.60	
SHD125644	100	35	150	0.97	35	0.79	35	2	48	3000	0.33	
SHD124244	100	15	200	0.93	15	0.77	15	0.35	8	500	1.45	
SHD124444	100	30	200	1.01	30	0.85	30	0.75	15	1000	0.77	
SHD124544	100	45	200	1.10	45	0.92	45	1	24	1500	0.60	
SHD124644	100	45	200	1.04	45	0.86	45	2	48	3000	0.33	










TYPE NUMBER	PEAK INVERSE VOLTAGE	MAXIMUM AVERAGE DC OUTPUT CURRENT T <sub>C</sub> = 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 <sub>J</sub> = 5V	MAXIMUM THERMAL RESIS. R <sub>θJC</sub>	PKG. STYLE
				25°C		125°C		25°C	125°C			
				V	A	V	A	mA	mA			
SHD117044	100	6	55	0.84	3.0	0.68	3.0	0.07	1.6	100	1.8	
SHD117144	100	15	140	0.84	7.5	0.68	7.5	0.18	4	250	0.85	
SHD117244	100	30	280	0.84	15	0.68	15	0.35	8	500	0.40	
SHD117044A	100	6	55	0.84	3.0	0.68	3.0	0.07	1.6	100	1.8	
SHD117144A	100	15	140	0.84	7.5	0.68	7.5	0.18	4	250	0.85	
SHD117244A	100	30	280	0.84	15	0.68	15	0.35	8	500	0.40	
SHD117044B	100	6	55	0.84	3.0	0.68	3.0	0.07	1.6	100	1.8	
SHD117144B	100	15	140	0.84	7.5	0.68	7.5	0.18	4	250	0.85	
SHD117244B	100	30	280	0.84	15	0.68	15	0.35	8	500	0.40	

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TYPE NUMBER	PEAK REVERSE VOLTAGE	MAXIMUM AVERAGE DC OUTPUT CURRENT T <sub>C</sub> = 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 <sub>J</sub> = 5V	MAXIMUM THERMAL RESIS. R <sub>θJC</sub>	PKG. STYLE
				25°C		125°C		25°C	125°C			
				V <sub>FM</sub>	A <sub>FM</sub>	A <sub>SM</sub>	V <sub>FM</sub>	A <sub>FM</sub>	μA			
SHD118144	100	15	140	0.84	7.5	0.68	7.5	0.18	4	250	0.85	
SHD118244	100	30	280	0.84	15	0.68	15	0.35	8	500	0.40	
SHD118344	100	60	570	0.84	30	0.68	30	0.75	15	1000	0.25	
SHD118544	100	120	860	0.87	60	0.72	60	1	24	1500	0.18	
SHD118144A	100	15	140	0.84	7.5	0.68	7.5	0.18	4	250	0.85	
SHD118244A	100	30	280	0.84	15	0.68	15	0.35	8	500	0.40	
SHD118444A	100	60	570	0.84	30	0.68	30	0.75	15	1000	0.25	
SHD118544A	100	120	860	0.87	60	0.72	60	1	24	1500	0.18	
SHD118144B	100	15	140	0.84	7.5	0.68	7.5	0.18	4	250	0.85	
SHD118244B	100	30	280	0.84	15	0.68	15	0.35	8	500	0.40	
SHD118444B	100	60	570	0.84	30	0.68	30	0.75	15	1000	0.25	
SHD118544B	100	120	860	0.87	60	0.72	60	1	24	1500	0.18	
SHD120044P	100	6	55	0.89	3.0	0.78	3.0	0.07	1.6	100	2.97	
SHD119144P	100	15	140	0.92	7.5	0.76	7.5	0.18	4	250	1.21	
SHD119244P	100	30	280	0.93	15	0.77	15	0.35	8	500	0.61	
SHD126044D	100	3.0	55	0.94	3.0	0.78	3.0	0.07	1.6	100	3.17	
SHD126044N	100	6	55	0.94	3.0	0.78	3.0	0.07	1.6	100	3.17	
SHD126044P	100	6	55	0.94	3.0	0.78	3.0	0.07	1.6	100	3.17	
SHD126144D	100	7.5	75	0.93	7.5	0.77	7.5	0.18	4	250	1.36	
SHD126144N	100	15	75	0.93	7.5	0.77	7.5	0.18	4	250	1.36	
SHD126144P	100	15	75	0.93	7.5	0.77	7.5	0.18	4	250	1.36	



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HERMETIC POWER SCHOTTKY RECTIFIERS**

TYPE NUMBER	PEAK INVERSE VOLTAGE	MAXIMUM AVERAGE DC OUTPUT CURRENT T <sub>C</sub> = 100°C	PEAK 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 <sub>J</sub> = 5V	MAXIMUM THERMAL RESIS. R <sub>θJC</sub>	PKG. STYLE	
				25°C		125°C		R <sub>θJC</sub> 125°C					
				V	A	V	A	mA	mA				°C/W
SHD128244D	100	15	75	0.93	15	0.77	15	0.35	8	300	0.72		
SHD128244N	100	16	75	0.93	15	0.77	15	0.35	8	500	0.72		
SHD128244P	100	16	75	0.93	15	0.77	15	0.35	8	500	0.72		
SHD125044D	100	6	55	0.94	3.0	0.78	3.0	0.07	1.6	100	3.17		
SHD125044N	100	6	55	0.94	3.0	0.78	3.0	0.07	1.6	100	3.17		
SHD125044P	100	6	55	0.94	3.0	0.78	3.0	0.07	1.6	100	3.17		
SHD125144D	100	7.5	140	0.93	7.5	0.77	7.5	0.18	4	250	1.36		
SHD125144N	100	15	140	0.93	7.5	0.77	7.5	0.18	4	250	1.36		
SHD125144P	100	15	140	0.93	7.5	0.77	7.5	0.18	4	250	1.36		
SHD125244D	100	15	150	0.93	15	0.77	15	0.35	8	500	0.72		
SHD125244N	100	30	150	0.93	15	0.77	15	0.35	8	500	0.72		
SHD125244P	100	30	150	0.93	15	0.77	15	0.35	8	500	0.72		
SHD125444P	100	35	150	1.01	30	0.85	30	0.75	15	1000	0.39		
SHD124144D	100	7.5	140	0.93	7.5	0.77	7.5	0.18	4	250	1.36		
SHD124144N	100	15	140	0.93	7.5	0.77	7.5	0.18	4	250	1.36		
SHD124144P	100	15	140	0.93	7.5	0.77	7.5	0.18	4	250	1.36		
SHD124244D	100	15	200	0.93	15	0.77	15	0.35	8	500	0.72		
SHD124244N	100	30	200	0.93	15	0.77	15	0.35	8	500	0.72		
SHD124244P	100	30	200	0.93	15	0.77	15	0.35	8	500	0.72		
SHD124444D	100	30	200	1.01	30	0.85	30	0.75	15	1000	0.39		
SHD124444N	100	45	200	1.01	30	0.85	30	0.75	15	1000	0.39		
SHD124444P	100	45	200	1.01	30	0.85	30	0.75	15	1000	0.39		
SHD124544D	100	45	200	1.10	45	0.92	45	1.0	24	1500	0.30		
SHD124544N	100	45	200	1.10	45	0.92	45	1.0	24	1500	0.30		
SHD124544P	100	45	200	1.10	45	0.92	45	1.0	24	1500	0.30		