

HERMETIC SURFACE MOUNT ULTRAFAST RECTIFIERS (Single)

TYPE NUMBER	PEAK INVERSE VOLTAGE	MAXIMUM DC OUTPUT CURRENT T _c = 100°C ①	MAXIMUM FORWARD VOLTAGE				MAXIMUM REVERSE CURRENT AT PIV		MAXIMUM REVERSE RECOVERY TIME ②	MAXIMUM THERMAL RESISTANCE ③	PACKAGE STYLE
			25°C		125°C		25°C	125°C			
			VOLTS	AMPS	VOLTS	AMPS	μA	mA			
SHD3163	200	8	.975	8	.875	8	25	1.0	30	1.3	SHD-1
SHD3163A	200	8	.975	8	.875	8	25	1.0	30	1.3	SHD-1A
SHD3163B	200	8	.975	8	.875	8	25	1.0	30	1.3	SHD-1B
SHD3163C	200	8	.975	8	.875	8	25	1.0	30	2.4	SHD-1C
SHD3166	200	25	.975	25	.875	25	25	1.0	35	0.6	SHD-1
SHD3166A	200	25	.975	25	.875	25	25	1.0	35	0.6	SHD-1A
SHD3166B	200	25	.975	25	.875	25	25	1.0	35	0.6	SHD-1B
SHD3166C	200	25	.975	25	.875	25	25	1.0	35	1.6	SHD-1C
SHD3155	200	70	.975	70	.875	70	100	2.0	50	.30	SHD-2
SHD3155A	200	70	.975	70	.875	70	100	2.0	50	.30	SHD-2A
SHD3155B	200	70	.975	70	.875	70	100	2.0	50	.30	SHD-2B
SHD3155C	200	70	.975	70	.875	70	100	2.0	50	0.8	SHD-2C
SHD3167	300	25	1.0	20	.90	20	50	5.0	40	0.6	SHD-1
SHD3167A	300	25	1.0	20	.90	20	50	5.0	40	0.6	SHD-1A
SHD3167B	300	25	1.0	20	.90	20	50	5.0	40	0.6	SHD-1B
SHD3167C	300	25	1.0	20	.90	20	50	5.0	40	1.6	SHD-1C
SHD3164	400	8	1.20	8	1.10	8	25	1.0	45	1.3	SHD-1
SHD3164A	400	8	1.20	8	1.10	8	25	1.0	45	1.3	SHD-1A
SHD3164B	400	8	1.20	8	1.10	8	25	1.0	45	1.3	SHD-1B
SHD3164C	400	8	1.20	8	1.10	8	25	1.0	45	2.4	SHD-1C
SHD3153	400	30	1.20	30	1.10	30	25	1.0	50	.45	SHD-2
SHD3153A	400	30	1.20	30	1.10	30	25	1.0	50	.45	SHD-2A
SHD3153B	400	30	1.20	30	1.10	30	25	1.0	50	.45	SHD-2B
SHD3153C	400	30	1.20	30	1.10	30	25	1.0	50	1.0	SHD-2C
SHD3156	400	70	1.20	70	1.10	70	100	2.0	60	.30	SHD-2
SHD3156A	400	70	1.20	70	1.10	70	100	2.0	60	.30	SHD-2A
SHD3156B	400	70	1.20	70	1.10	70	100	2.0	60	.30	SHD-2B
SHD3156C	400	70	1.20	70	1.10	70	100	2.0	60	0.8	SHD-2C
SHD3165	600	8	1.30	8	1.20	8	25	1.0	60	1.3	SHD-1
SHD3165A	600	8	1.30	8	1.20	8	25	1.0	60	1.3	SHD-1A
SHD3165B	600	8	1.30	8	1.20	8	25	1.0	60	1.3	SHD-1B
SHD3165C	600	8	1.30	8	1.20	8	25	1.0	60	2.4	SHD-1C
SHD3154	600	30	1.30	30	1.20	30	25	1.0	70	.45	SHD-2
SHD3154A	600	30	1.30	30	1.20	30	25	1.0	70	.45	SHD-2A
SHD3154B	600	30	1.30	30	1.20	30	25	1.0	70	.45	SHD-2B
SHD3154C	600	30	1.30	30	1.20	30	25	1.0	70	1.0	SHD-2C
SHD3157	600	70	1.30	70	1.20	70	100	2.0	75	.30	SHD-2
SHD3157A	600	70	1.30	70	1.20	70	100	2.0	75	.30	SHD-2A
SHD3157B	600	70	1.30	70	1.20	70	100	2.0	75	.30	SHD-2B
SHD3157C	600	70	1.30	70	1.20	70	100	2.0	75	0.8	SHD-2C

① Maximum DC output current with cathode side of package maintained at 100°C.

② T_{rr} conditions: I_F = 0.5A, I_R = 1.0A, I_{RR} = 0.25A.

③ Maximum thermal resistance junction to mounting surface (cathode).

Maximum operating and storage temperature -55°C to +175°C.

All ratings are at T_A = 25°C unless otherwise specified.