

## DUAL HERMETIC SCHOTTKY RECTIFIERS

TYPE NUMBER ①	PEAK INVERSE VOLTAGE	MAXIMUM AVERAGE DC OUTPUT CURRENT $T_c = 100^\circ\text{C}$	PEAK SINGLE CYCLE SURGE CURRENT $T_p = 8.3\text{ms}$	MAXIMUM FORWARD VOLTAGE DROP PER LEG				MAXIMUM REVERSE CURRENT AT PIV (PER LEG)		MAXIMUM JUNCTION CAPACITANCE $V_r = 5\text{V}$ (PER LEG)	MAXIMUM THERMAL RESISTANCE JUNCTION TO CASE (PER LEG)	PACKAGE STYLE
				25°C		125°C		25°C	125°C			
				VOLTS	AMPS	VOLTS	AMPS	mA	mA			
SHD1241P	30	40	200	.47	40	.37	40	5.0	200	3700	0.5	TO-258
SHD1262P	45	16	150	.65	16	.62	16	2.0	15	1000	1.0	TO-257
SHD1252P	45	30	200	.65	30	.54	30	4.0	35	2000	0.6	TO-254
SHD1242P	45	40	200	.62	40	.52	40	5.0	45	2600	0.5	TO-258
SHD1264P	100	16	150	.90	16	.75	16	1.0	10	600	1.0	TO-257
SHD1254P	100	30	200	.83	30	.65	30	1.25	15	700	0.6	TO-254
SHD1244P	100	40	200	.80	40	.65	40	1.5	20	1400	0.5	TO-258

## DUAL HERMETIC ULTRAFAST RECOVERY RECTIFIERS

TYPE NUMBER ①	PEAK INVERSE VOLTAGE	MAXIMUM AVERAGE DC OUTPUT CURRENT $T_c = 100^\circ\text{C}$	PEAK SINGLE CYCLE SURGE CURRENT $T_p = 8.3\text{ms}$	MAXIMUM FORWARD VOLTAGE DROP PER LEG				MAXIMUM REVERSE CURRENT AT PIV (PER LEG)		MAXIMUM REVERSE RECOVERY TIME ②	MAXIMUM THERMAL RESISTANCE JUNCTION TO CASE (PER LEG)	PACKAGE STYLE
				25°C		125°C		25°C	125°C			
				VOLTS	AMPS	VOLTS	AMPS	µA	mA			
SHD3262P	200	16	150	1.0	16	0.9	16	25	1.0	30	1.5	TO-257
SHD3251P	200	30	200	1.1	30	1.0	30	25	1.0	35	0.9	TO-254
SHD3241P	200	40	200	1.0	40	0.9	40	100	2.0	50	0.45	TO-258
SHD3252P	300	30	200	1.1	30	1.0	30	25	1.0	35	0.9	TO-254
SHD3263P	400	16	150	1.2	16	1.1	16	25	1.0	45	1.5	TO-257
SHD3242P	400	40	200	1.2	40	1.1	40	100	2.0	60	0.45	TO-258
SHD3264P	600	16	150	1.2	16	1.1	16	25	1.0	60	1.5	TO-257
SHD3243P	600	40	200	1.3	40	1.2	40	100	2.0	75	0.45	TO-258

① Type number listed is for common cathode version. For common anode types replace "P" in type number with "N".  
For doublers, replace "P" with "D" (see pinouts in mechanical dimensions).

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

—All ratings are at  $T_A = 25^\circ\text{C}$  unless otherwise specified.

—Maximum operating and storage temperature  $-65^\circ\text{C}$  to  $+175^\circ\text{C}$ . ( $+150^\circ\text{C}$  for 30 volt Schottky devices).