
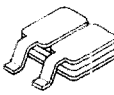






HERMETIC POWER ULTRAFAST RECTIFIERS

SURFACE MOUNT, DUAL COMMON CATHODE

TYPE NUMBER	PEAK INVERSE VOLTAGE	MAXIMUM DC OUTPUT CURRENT $T_C = 100^\circ\text{C}$ ①	MAXIMUM REVERSE CURRENT @ PIV		MAX. PEAK FORWARD VOLTAGE (PULSED) PER LEG				MAXIMUM REVERSE RECOVERY TIME ②	MAXIMUM THERMAL RESISTANCE $R_{\theta JC}$ ③	PACKAGE STYLE
					25°C		125°C				
			25°C	125°C	V	A	V	A			
Volts	Amps	μA	mA	V	A	V	A	nsec	$^\circ\text{C/W}$		
SHD3173P	200	16	25	1.0	.975	8.0	.875	8.0	30	1.4	
SHD3174P	400	16	25	1.0	1.20	8.0	1.10	8.0	45	1.4	
SHD3175P	600	16	25	1.0	1.30	8.0	1.20	8.0	60	1.4	
SHD3173PA	200	16	25	1.0	.975	8.0	.875	8.0	30	1.4	
SHD3174PA	400	16	25	1.0	1.20	8.0	1.10	8.0	45	1.4	
SHD3175PA	600	16	25	1.0	1.30	8.0	1.20	8.0	60	1.4	
SHD3173PB	200	16	25	1.0	.975	8.0	.875	8.0	30	1.4	
SHD3174PB	400	16	25	1.0	1.20	8.0	1.10	8.0	45	1.4	
SHD3175PB	600	16	25	1.0	1.30	8.0	1.20	8.0	60	1.4	
SHD3184P	200	80	100	2.0	.975	40	.875	40	35	0.5	
SHD3185P	400	100	100	2.0	1.20	70	1.10	70	60	.35	
SHD3186P	600	100	100	2.0	1.30	70	1.20	70	75	.35	
SHD3184PA	200	80	100	2.0	.975	40	.875	40	35	0.5	
SHD3185PA	400	100	100	2.0	1.20	70	1.10	70	60	.35	
SHD3186PA	600	100	100	2.0	1.30	70	1.20	70	75	.35	
SHD3184PB	200	80	100	2.0	.975	40	.875	40	35	0.5	
SHD3185PB	400	100	100	2.0	1.20	70	1.10	70	60	.35	
SHD3186PB	600	100	100	2.0	1.30	70	1.20	70	75	.35	

Notes:

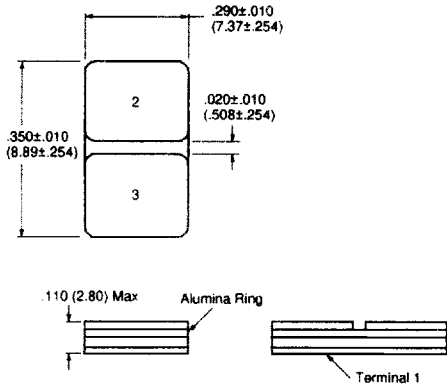
- All ratings are at $T_C = 25^\circ\text{C}$ unless otherwise specified.
- Maximum operating and storage temperature range -55°C to $+175^\circ\text{C}$.
- ① Maximum dc output current with cathode surface maintained at $T_C = 100^\circ\text{C}$.
- ② t_{rr} conditions; $I_f = 0.5\text{A}$, $I_r = 1.0\text{A}$, $I_{rr} = 0.25\text{A}$.
- ③ Maximum thermal resistance junction to mounting surface (cathode) per leg.

Most devices are available in other Voltage and/or current ratings. Please contact the factory or a Sensitron Sales Representative for details.

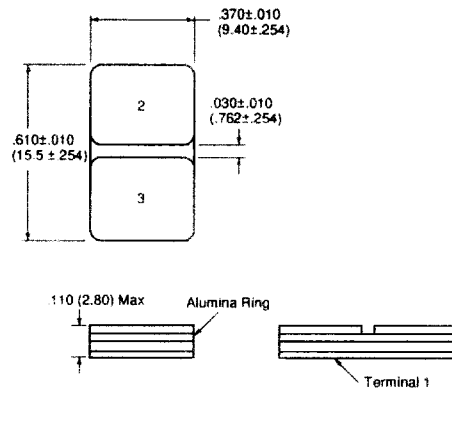
PINOUTS

DUAL RECTIFIER/COMMON CATHODE (P)	COMMON CATHODE	ANODE	ANODE
SHD-4, SHD-4A, SHD-4B, SHD-5, SHD-5A, SHD-5B			

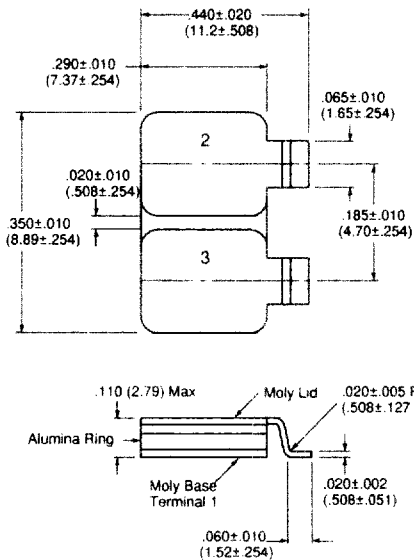
SHD-4



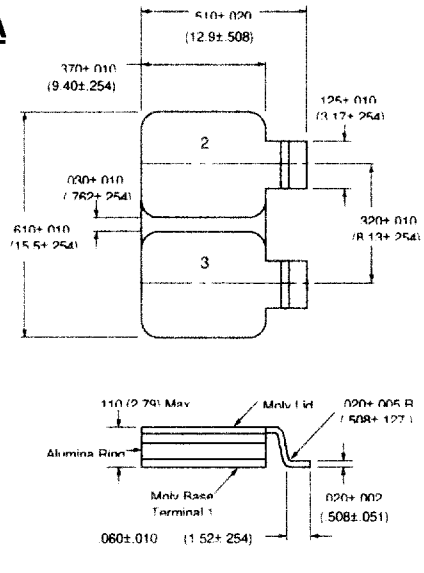
SHD-5



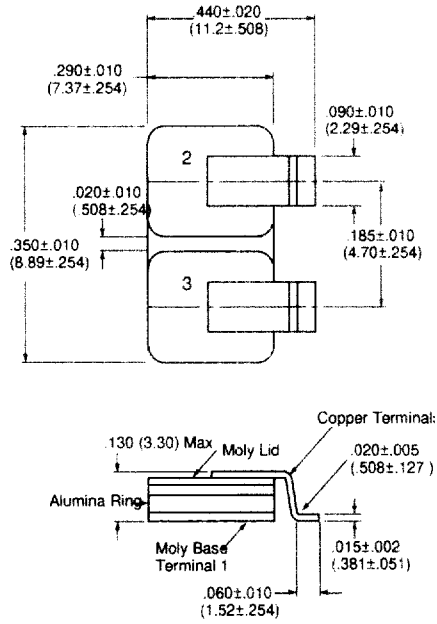
SHD-4A



SHD-5A



SHD-4B



SHD-5B

