




HERMETIC POWER SCHOTTKY RECTIFIERS




SINGLE. (TO-254, TO-257, TO-258)

TYPE NUMBER ③	PEAK INVERSE VOLTAGE	MAXIMUM AVERAGE DC OUTPUT CURRENT T _C = 100°C	PEAK 1 CYCLE SURGE CURRENT ①	MAXIMUM PEAK FORWARD VOLTAGE (PULSED)				MAXIMUM REVERSE CURRENT @ PIV		MAXIMUM JUNCTION CAP. V _r = 5V pF	MAXIMUM THERMAL RESIS. R _{θJC} °C/W	PKG STYL
				25°C		125°C		25°C	125°C			
				V	A	V	A	mA	mA			
Volts	Amps	Amps					mA	mA	pF	°C/W		
SHD126221	30	16	150	.57	16	.47	16	2.0	100	1100	2.1	
SHD1262	45	16	150	.73	16	.63	16	2.0	15	1000	2.1	
SHD1264	100	16	150	1.0	16	.90	16	1.0	10	600	2.1	
SHD1265	100	16	150	.88	16	.71	16	1.25	15	1000	1.1	
SHD125421	30	30	200	.57	30	.47	30	4.0	200	2200	0.6	
SHD1252	45	30	200	.72	30	.62	30	4.0	35	2000	0.6	
SHD1254	100	30	200	1.0	30	.90	30	1.25	15	1000	0.6	
SHD1241	30	40	200	.54	40	.44	40	5.0	② 200	3700	0.5	
SHD1242	45	40	200	.66	40	.60	40	5.0	45	2600	0.5	
SHD1244	100	40	200	.90	40	.80	40	1.5	20	1400	0.5	

(Hermetic Schottky Rectifiers, Continued on Next Page)

HERMETIC SCHOTTKY RECTIFIERS

DUAL, (TO-254, TO-257, TO-258)

TYPE NUMBER	PEAK INVERSE VOLTAGE	MAXIMUM AVERAGE DC OUTPUT CURRENT $T_C = 100^\circ\text{C}$	PEAK 1 CYCLE SURGE CURRENT ①	MAXIMUM PEAK FORWARD VOLTAGE (PULSED) PER LEG				MAXIMUM REVERSE CURRENT @ PIV		MAXIMUM JUNCTION CAP. PER LEG $V_r = 5\text{V}$	MAXIMUM THERMAL RESIST. PER LEG $R_{\theta JC}$	PKG. STYLE
				25°C		125°C		25°C	125°C			
				V	A	V	A	mA	mA			
Volts	Amps	Amps	V	A	V	A	mA	mA	pF	°C/W		
SHD126221P	30	30	150	.57	16	.47	16	2.0	100	1100	2.1	
SHD126221N	30	30	150	.57	16	.47	16	2.0	100	1100	2.1	
SHD126221D	30	30	150	.57	16	.47	16	2.0	100	1100	2.1	
SHD1262P	45	16	150	.73	16	.63	16	2.0	15	1000	2.1	
SHD1262N	45	16	150	.78	16	.68	16	2.0	15	1000	2.1	
SHD1262D	45	16	150	.78	16	.68	16	2.0	15	1000	2.1	
SHD1264P	100	16	150	1.0	16	.90	16	1.0	10	600	2.1	
SHD1264N	100	16	150	1.05	16	.95	16	1.0	10	600	2.1	
SHD1264D	100	16	150	1.05	16	.95	16	1.0	10	600	2.1	
SHD125221P	30	30	200	.57	16	.47	16	2.0	100	1100	1.65	
SHD125221N	30	30	200	.57	16	.47	16	2.0	100	1100	1.65	
SHD125221D	30	30	200	.57	16	.47	16	2.0	100	1100	1.65	
*1N6660	45	30	300	.75	15	.65	15	1.0	40	2000	1.65	
*1N6660R	45	30	300	.75	15	.65	15	1.0	40	2000	1.65	
SHD1252P	45	30	200	.72	30	.62	30	4.0	35	2000	1.1	
SHD1254P	100	30	200	1.0	30	.90	30	1.25	15	1000	1.1	
SHD1241P	30	40	200	.54	40	.44	40	5.0	② 200	3700	0.8	
SHD1241N	30	40	200	.60	40	.50	40	5.0	200	3700	0.8	
SHD1241D	30	40	200	.60	40	.50	40	5.0	200	3700	0.8	
SHD1242P	45	40	200	.66	40	.60	40	5.0	45	2600	0.8	
SHD1242N	45	40	200	.72	40	.66	40	5.0	45	2600	0.8	
SHD1242D	45	40	200	.72	40	.66	40	5.0	45	2600	0.8	
SHD1244P	100	40	200	.90	40	.80	40	1.5	20	1400	0.8	
SHD1244N	100	40	200	.96	40	.86	40	1.5	20	1400	0.8	
SHD1244D	100	40	200	.96	40	.86	40	1.5	20	1400	0.8	

Notes:

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

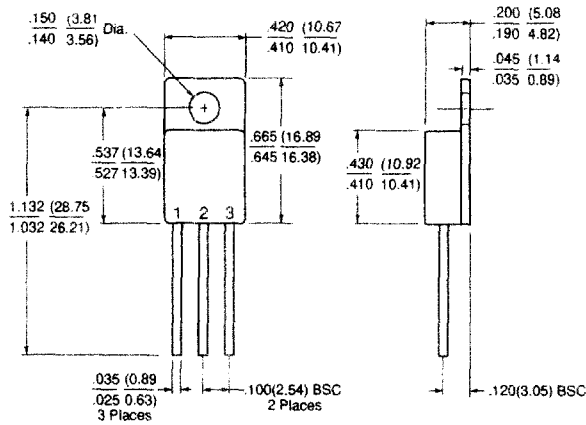
-Maximum operating and storage temperature range -65°C to $+175^\circ\text{C}$, ($+150^\circ\text{C}$ for 30 Volt Schottky Devices).

① $t_p = 8.3$ msec.

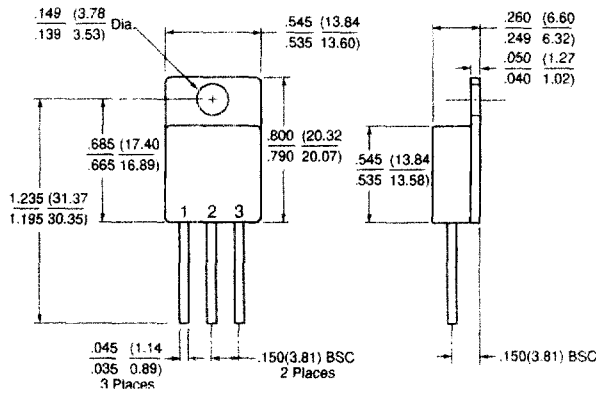
② Rating at $T_C = 100^\circ\text{C}$. ③ Suffix P denotes common cathode version, N & R denotes common anode and D denotes doubler version.

* MIL-PRF-19500 QPL Product

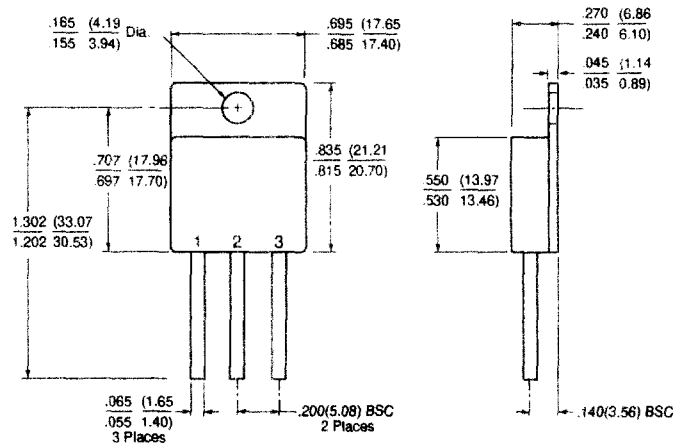
TO - 257



TO - 254



TO - 258



PINOUTS - TO-257, TO-254, TO-258

	CATHODE	ANODE	ANODE
SINGLE RECTIFIER			
DUAL RECTIFIER COMMON CATHODE (P)	ANODE 1	COMMON CATHODE	ANODE 2
DUAL RECTIFIER COMMON ANODE (N)	CATHODE 1	COMMON ANODE	CATHODE 2
DUAL RECTIFIER DOUBLER (D)	ANODE	ANODE/CATHODE	CATHODE

Note: Ceramic seals and GldCop® leads available. See page 101 for ordering information.