



Silicon Bridge Rectifiers

CURRENT: 2.0 A

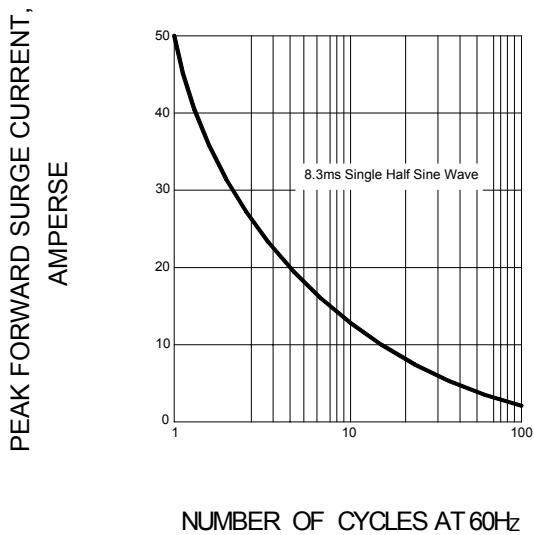
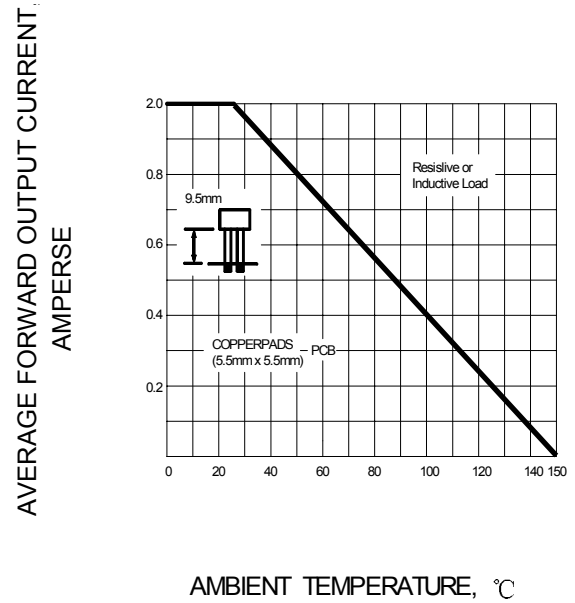
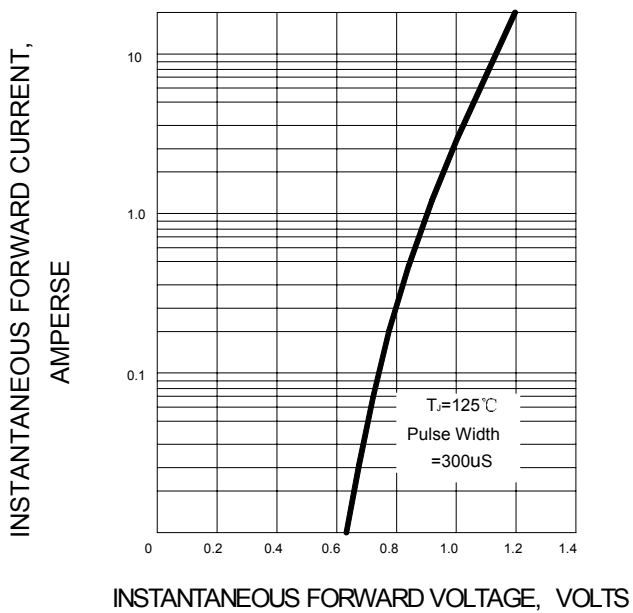
Features

- ## MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Single phase, half wave, 60 Hz, resistive or inductive load. For capacitive load, derate by 20%.

		2W005	2W01	2W02	2W04	2W06	2W08	2W10	UNITS
Maximum recurrent peak reverse voltage	V_{RRM}	50	100	200	400	600	800	1000	V
Maximum RMS voltage	V_{RMS}	35	70	140	280	420	560	700	V
Maximum DC blocking voltage	V_{DC}	50	100	200	400	600	800	1000	V
Maximum average forward Output current @ $T_A=25^{\circ}C$	$I_{F(AV)}$	2.0							A
Peak forward surge current 8.3ms single half-sine-wave superimposed on rated load	I_{FSM}	50.0							A
Maximum instantaneous forward voltage at 1.0 A	V_F	1.0							V
Maximum reverse current @ $T_A=25^{\circ}C$ at rated DC blocking voltage @ $T_A=100^{\circ}C$	I_R	10.0 1.0							μA mA
Operating junction temperature range	T_J	- 55 ---- + 150							$^{\circ}C$
Storage temperature range	T_{STG}	- 55 ---- + 150							$^{\circ}C$

Ratings AND Characteristic Curves

FIG.1 – PEAK FORWARD SURGE CURRENT

**FIG.2 – FORWARD DERATING CURVE
OUTPUT RECTIFIED CURRENT**

FIG.3 – TYPICAL FORWARD CHARACTERISTIC

FIG.4 – TYPICAL REVERSE CHARACTERISTIC
