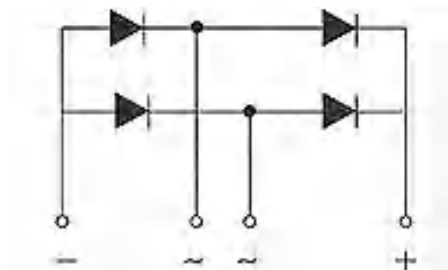


Single Phase 60 AMPS. Silicon Bridge Rectifiers

Voltage Range
200 to 1600 Volts
Current
60 Amperes



Features

- Ideal for printed circuit board
- Reliable low cost construction technique results in inexpensive product
- High temperature soldering guaranteed: 260°C / 10 seconds / 0.375" (9.5mm) lead length at 5 lbs., (2.3 kg) tension

Mechanical Data

- Case: Molded plastic
- Lead: solder plated
- Polarity: As marked

额定值	符号	QL 60A-02	QL 60A-04	QL 60A-06	QL 60A-08	QL 60A-10	QL 60A-12	QL 60A-16	UNIT
最大可重复峰值反向电压 Maximum reecurrent peak reverse voltage	V_{RRM}	200	400	600	800	1000	1200	1600	V
最大均方根电压 Maximum rms Input voltage	V_{RMS}	140	280	420	560	700	840	1120	V
最大直流阻断电压 Maximum dc blocking voltage	V_{DC}	200	400	600	800	1000	1200	1600	V
直流输出电流 $T_c=55^{\circ}C$ Maximum average forward output rectified	I_D	60							A
正向峰值浪涌电流 Peak forward surge current 8.3ms single half sine-wave	I_{FSM}	1000							A
$I_F=30$ A时, 每个二极管的最大正向电压 Maximum forward voltage	V_F	1.1							V
最大反向漏电流 $T_a=25^{\circ}C$ $T_a=100^{\circ}C$ Maximum reverse voltage	I_R	10							μA
	$I_{R(H)}$	200							μA
热阻结至壳	$R_{\theta JC}$	0.45							$^{\circ}C/W$
热阻壳至环境	$R_{\theta JA}$	0.5							$^{\circ}C$
工作温度 Operating temperature range	T_J	$-40 \sim +125$							$^{\circ}C$
储存温度范围 storage temperature range	T_{STG}	$-40 \sim +150$							$^{\circ}C$

FIG.1- MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT PER BRIDGE ELEMENT

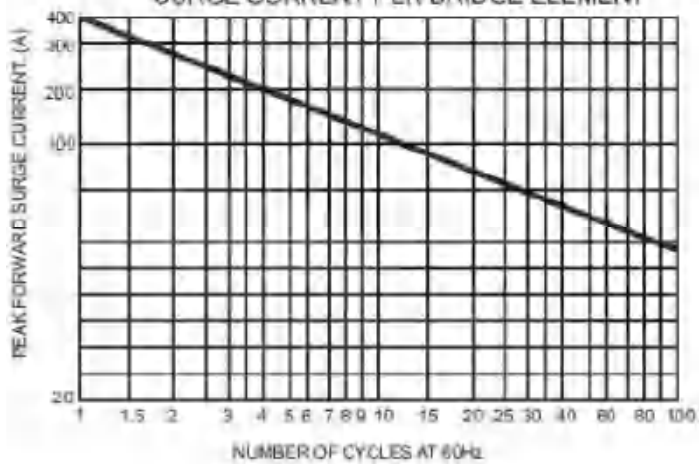


FIG.2-MAXIMUM FORWARD CURRENT DERATING CURVE

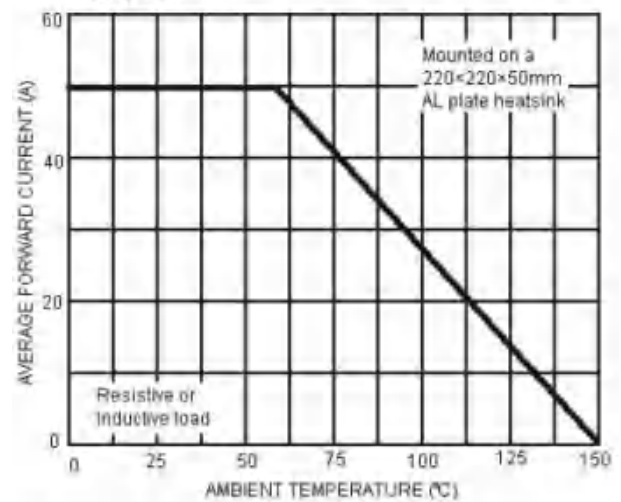


FIG.3- TYPICAL FORWARD CHARACTERISTICS PER BRIDGE ELEMENT

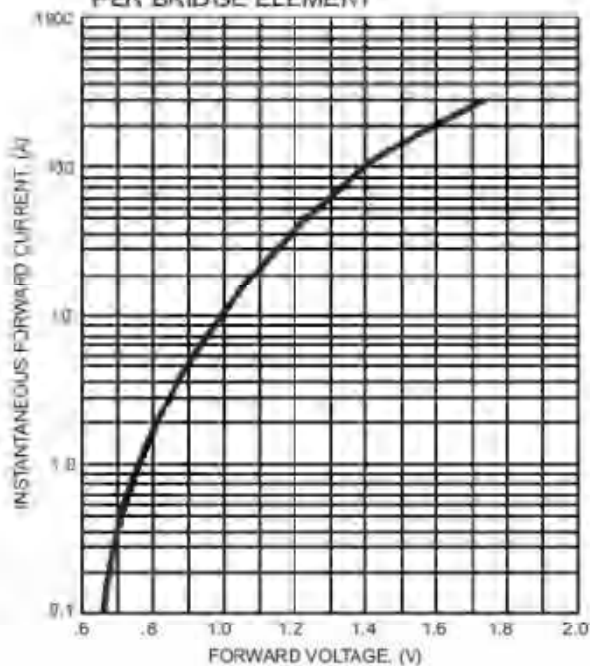
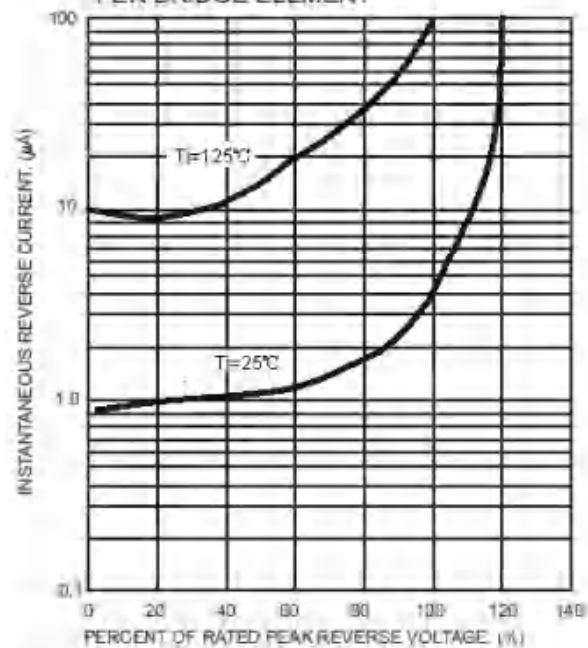


FIG.4- TYPICAL REVERSE CHARACTERISTICS PER BRIDGE ELEMENT



Dimensions in Millimeters

