飞仕龙达
FEISHILONGDA

RD 桥式整流器 Bridge Rectifiers

[MB2S~MB10S]

特性/机械性能： FEATURES/MECHANICAL DATE

◆UL Recognized File # E-230084

◆Ideal for printed circuit board

◆Reliable low cost construction technique results in inexpensive product

◆High temperature soldering guaranteed:

260℃/ 10 seconds

lead length at 5 lbs., (2.3 kg) tension

◆ Case: Molded plastic

◆Lead: solder plated

◆Polarity: As marked

最大额定值及电气特性 MAXIMUM RATINGS AND CHARACTERISTICS

测量环境温度为25℃, 除非另有规定. 单相半波, 50HZ, 阻性或感性负载, 对于容性负载, 电流降额20%。

Rating at 25℃ ambient temperature unless otherwise specified. Single phase，half wave，50HZ，resistive or inductive load. For capacitive load，derate current by 20%.

Papt Number	Symbol	MB2S YJ2J	MB4S YJ4J	MB6S YJ6J	MB8S YJ8J	MB10S YJ10J	Unit
Maximum Repetitive Peak Reverse Voltage	V_{RRM}	200	400	600	800	1000	V
Maximum RMS Voltage	V_{RMS}	140	280	420	560	700	V
Maximum DC blocking Voltage	V_{DC}	200	400	600	800	1000	V
Maximum Average Forward Rectified Current On glass-epoxy P.C.B. On aluminum substrate	$I_{(AV)}$	0.5 0.8					A A
Peak Forward Surge Current, 8.3 ms Single Half Sine-wave Superimposed on Rated Load (JEDEC method)	I_{FSM}	35					A
Maximum Instantaneous Forward Voltage@ 0.4A	V_F	1.0					V
Maximum DC Reverse Current @ TA=25℃ rated DC blocking voltage per leg TA = 125℃	I_R	5.0 500					μA μA
Typical Thermal Resistance (Note1) (Note2)	$R_{\theta JA}$ $R_{\theta JL}$	70 20					℃/W
Operating Temperature Range	T_J	-55 to +150					℃
Storage Temperature Range	T_{STG}	-55 to +150					℃

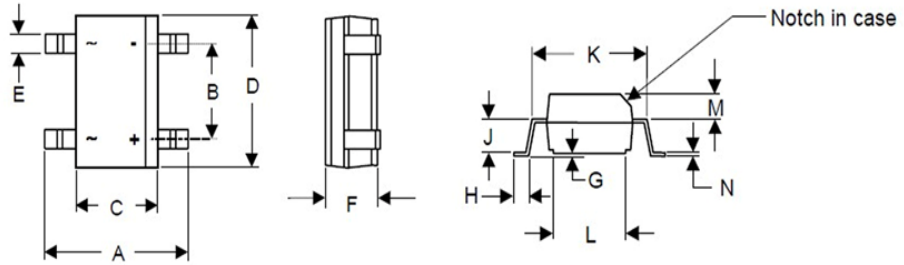
NOTE:

1.On aluminum suvstrate P.C.B. with an area of 0.8×0.8"(20×20mm) mounted on 0.05×0.05"(1.3×1.3mm) solder pad.

2.On glass epoxy P.C.B. mouted on 0.05×0.05"(1.3×1.3mm) pads.

产品外形尺寸：

Product appearance size



DIMENSIONS					
	INCHES		MM		
DIM	MIN	MAX	MIN	MAX	NOTE
A	.252	.272	6.40	6.91	
B	.095	.105	2.41	2.67	
C	.145	.155	3.68	3.94	
D	.180	.190	4.57	4.83	
E	.017	.029	0.45	0.75	
F	.090	.106	2.30	2.70	
G	.004	.008	0.10	0.20	
H	.021	.023	0.53	0.58	
J	.055	.065	1.40	1.65	
K	-----	.200	-----	5.08	
L	.107	.117	2.72	2.97	
M	.040	.050	1.02	1.27	
D	.008	.014	0.15	0.35	

特性曲线图：

RATINGS AND CHARACTERISTIC CURVES

FIG.1-MAXIMUM NONO-REPETITIVE FORWARD SURGE CURRENT PER BRIDGE ELELMENT

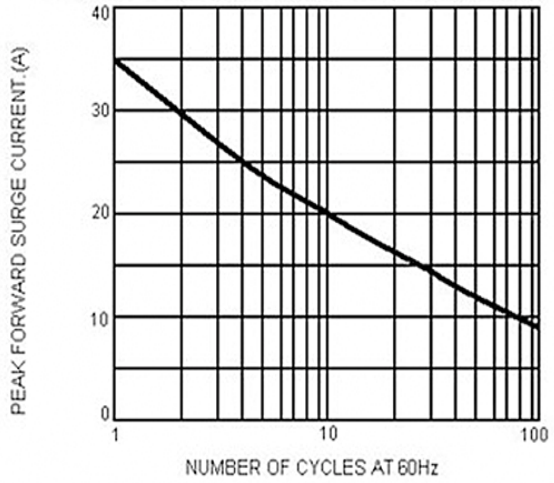


FIG.2-MAXIMUM FORWARD CURRENT DERATING CURVE

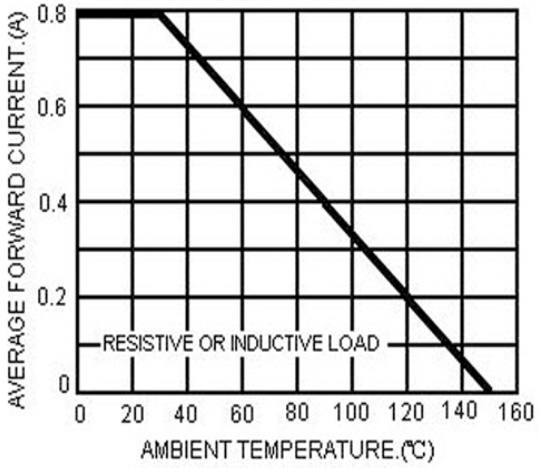


FIG.3-TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS PER BRIDGE ELEMENT

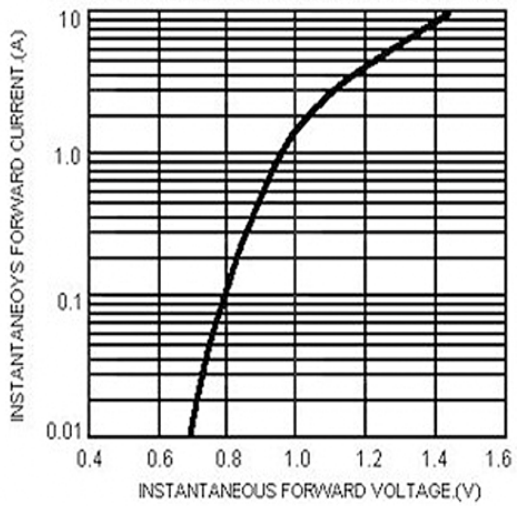


FIG.4-TYPICAL REVERSE CHARACTERISTICS PER BRIDGE ELEMENT