MPZ3524 THRU MPZ3540

PRESS-FIT MOTOLOLA DIODES

特征 FEATURES

.35安培工作温度为125度,无热损耗下.

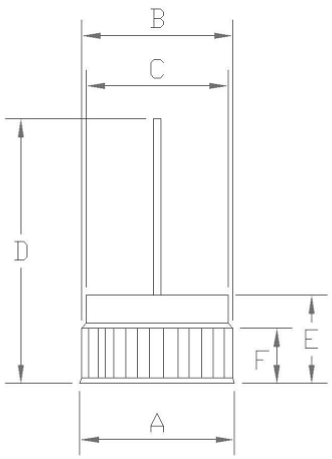
35 Ampere Operation At TL=125℃ With No Thermal Runaway.

.正向压降低.Low forward voltage drop

.低漏电. Low leakage current

.高浪涌承受能力.High surge current capability

MP



A=⌀13.0±0.2mm B=⌀12.76±0.02mm
C=⌀11.4±0.2mm D=25.0mm
E=7.90±0.2mm F=4.15%%0.20mm

Dimension in millimeters

机械数据 MECHANICAL DATA

.封装:铜材质 MP封装. Case: Copper MP

.端子:镀金端子,焊接按照 MIL-STD-202,方法 208.

Terminals: Plated terminals, solderable per MIL-STD-202, method 208.

.极性: 灌注红色环氧树脂（端子为正/P 型）
灌注黑色环氧树脂（端子为负/N 型）

Polarity : By RED Color Epoxy Potting. (Positive)
By BLACK Color Epoxy Potting. (Negative)

.重 量：6.8 克. Weight: 6.8grams

极限值和电参数 TA= 25℃除非另有规定. 单相,正半弦波,60HZ,阻抗或电感负载.为电容装载,减 少电流的 20%

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25℃ Ambient temp. Unless otherwise specified.Single phase, half sine wave, 60HZ,resistive or inductive load.
For capacitive load, derate current by 20%

	SYMBOL	MPZ3524	MPZ3528	MPZ3540	UNITS
最大峰值反向电压 Maximum Current Peak Reverse Voltage	VRRM	16	20	34	Volts
最大反向有效电压 Working Peak Reverse Voltage	VRWM	16	20	34	Volts
最大直流阻断电压 Maximum DC Blocking Voltage	VDC	16	20	34	Volts
崩溃电压最小值 Breakdown voltage Min@ IBR=100mA/TA=25℃	VBRL	19	24	38	Volts
崩溃电压最大值 Breakdown voltage Max@ IBR=100mA/TA=25℃	VBRH	24	32	42	Volts
最大正向平均整流电流 T_L=125℃ Maximum Average Forward Rectified Current	I(AV)	35			Amps
正向峰值浪涌电流 Peak Forward Surge Current 8.3ms Single Sine-wave on Rated Load (JEDEC Method)	IFSM	400			Amps
25A 直流电时最大正向瞬间电压降 Maximum Instantaneous Forward Voltage Drop at 25A DC	VF	1.0			Volts
最大反向漏电流 T_A=25℃ Maximum DC Reverse Current at Rated DC Blocking Voltage	IR	0.2			uA
正向电压温度系数 IF=10mA Forward Voltage Temperature Coefficient	VFTS	2			mV/℃
工作温度存储温度 Operating AND Storage Temperature Range	TSTG/ TJ	-55 to +150			℃

NOTE: 1.Measured at 1 MHz and Applied Reverse Voltage of 4.0 Volts D.C.

RATING ANDCHARACTERISTIC CURVES MPZ3524 THRU MPZ3540

FIG. 1 –最大正向平均电流降额

FIG. 1 –MAXIMUM AVERAGE FORWARD CURRENT DERATING

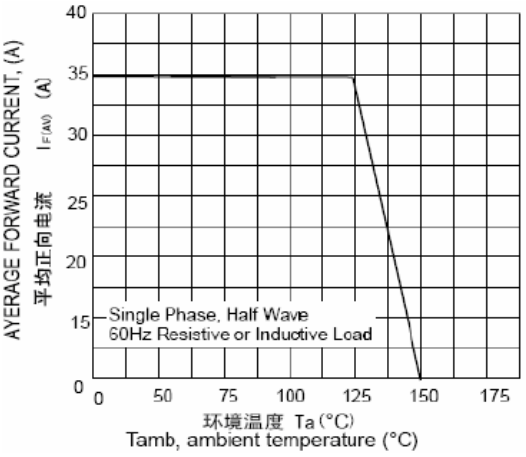


FIG. 2 –最大非重复正向浪涌电流

FIG. 2 –MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

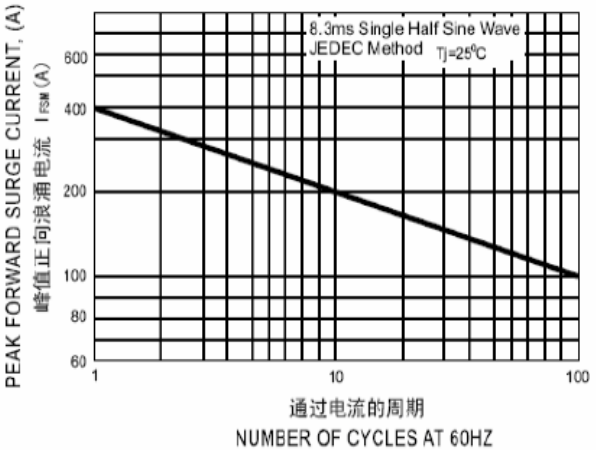


FIG. 3 –脉冲波形

FIG. 3 – PULSE WAVEFORM

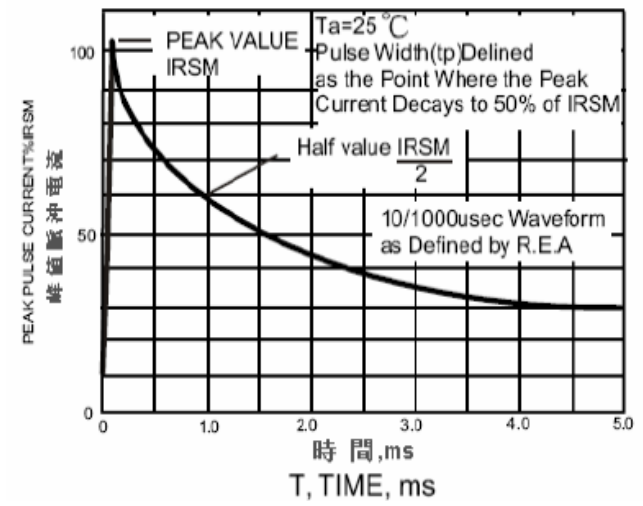


FIG. 4–正向特性曲线(典型)

FIG.4 – TYPICA FORWARD CHARACTERISTICS

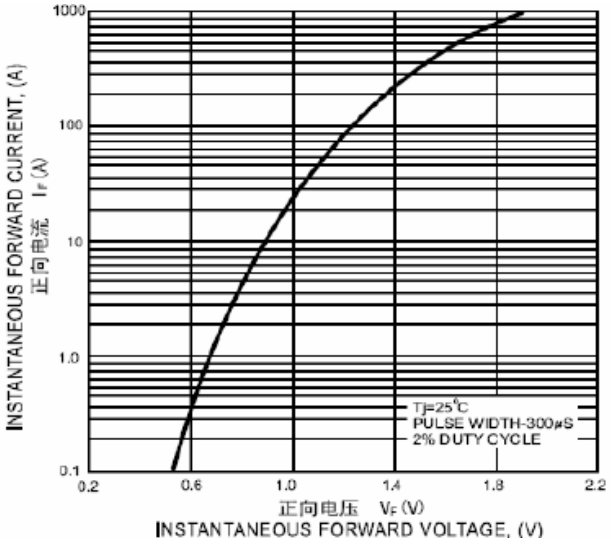


FIG.5–脉冲额定曲线

FIG.5–PULSE RATING CURVE