

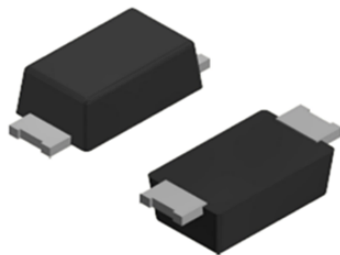
MPP5DA40
General Rectifying Diodes
400V, 0.5A

Feature

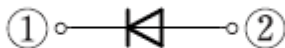
- Low V_F
- Low I_R
- RoHS:Yes

OUTLINE

Package (House Name): SOD-123FL



Equivalent circuit



Absolute Maximum Ratings

Item	Symbol	Conditions	Ratings	Unit
Storage temperature	T_{stg}		-55 to 150	°C
Junction temperature	T_j		-55 to 150	°C
Repetitive peak reverse voltage	V_{RRM}		400	V
Average forward current	$I_{F(AV)}$	$T_l=126^{\circ}C$	0.5	A
Average forward current	$I_{F(AV)}$		0.785	A
Surge forward current	I_{FSM}	50Hz half sine wave, 1 cycle, Non-repetitive	10	A

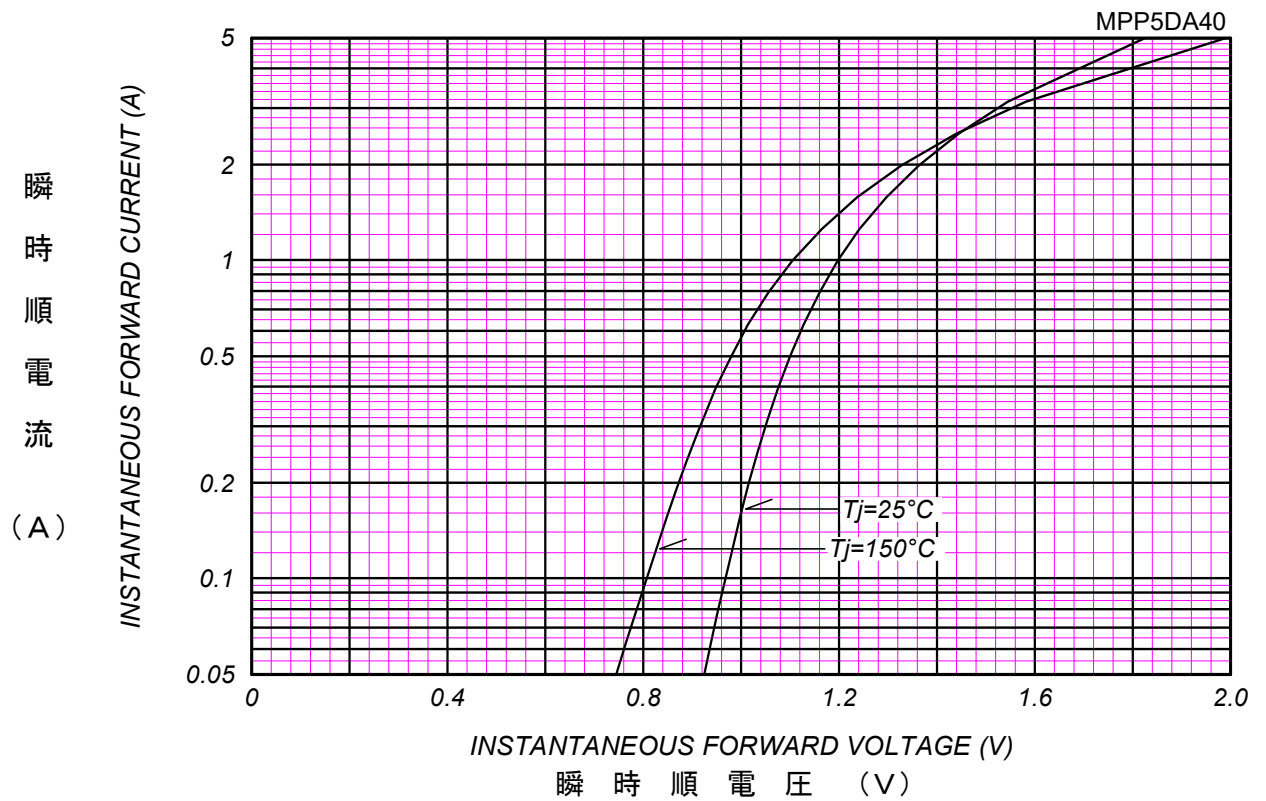
※ :See the original Specifications

Electrical Characteristics

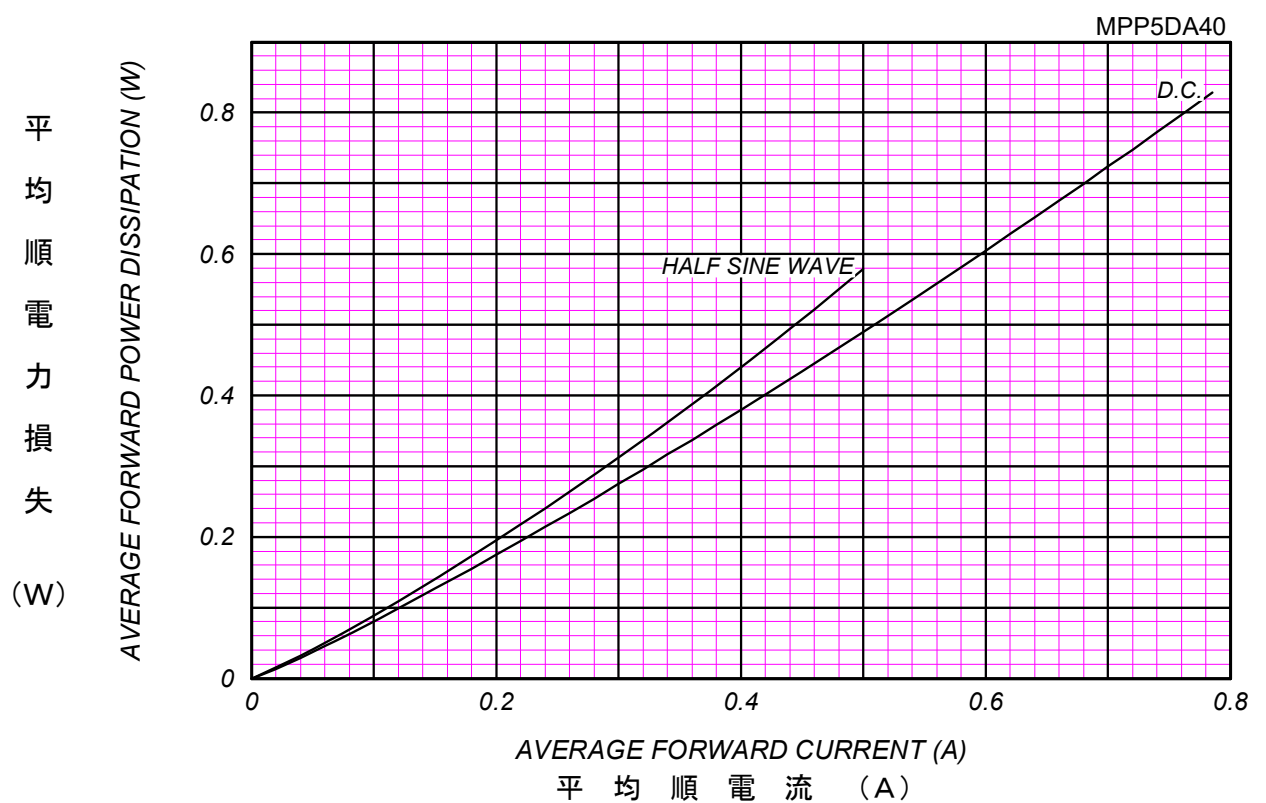
Item	Symbol	Conditions	Ratings			Unit
			MIN	TYP	MAX	
Forward voltage	V_F	$I_F=0.5A, T_j=25^{\circ}C$	-	-	1.1	V
Reverse current	I_R	$V_R=V_{RRM}, T_j=25^{\circ}C$	-	-	10	μA
Thermal resistance	$R_{th(j-l)}$	Junction to lead	-	-	25	°C/W
Thermal resistance	$R_{th(j-a)}$	Junction to ambient (P.C.Board mounted)	-	-	300	°C/W

※ :See the original Specifications

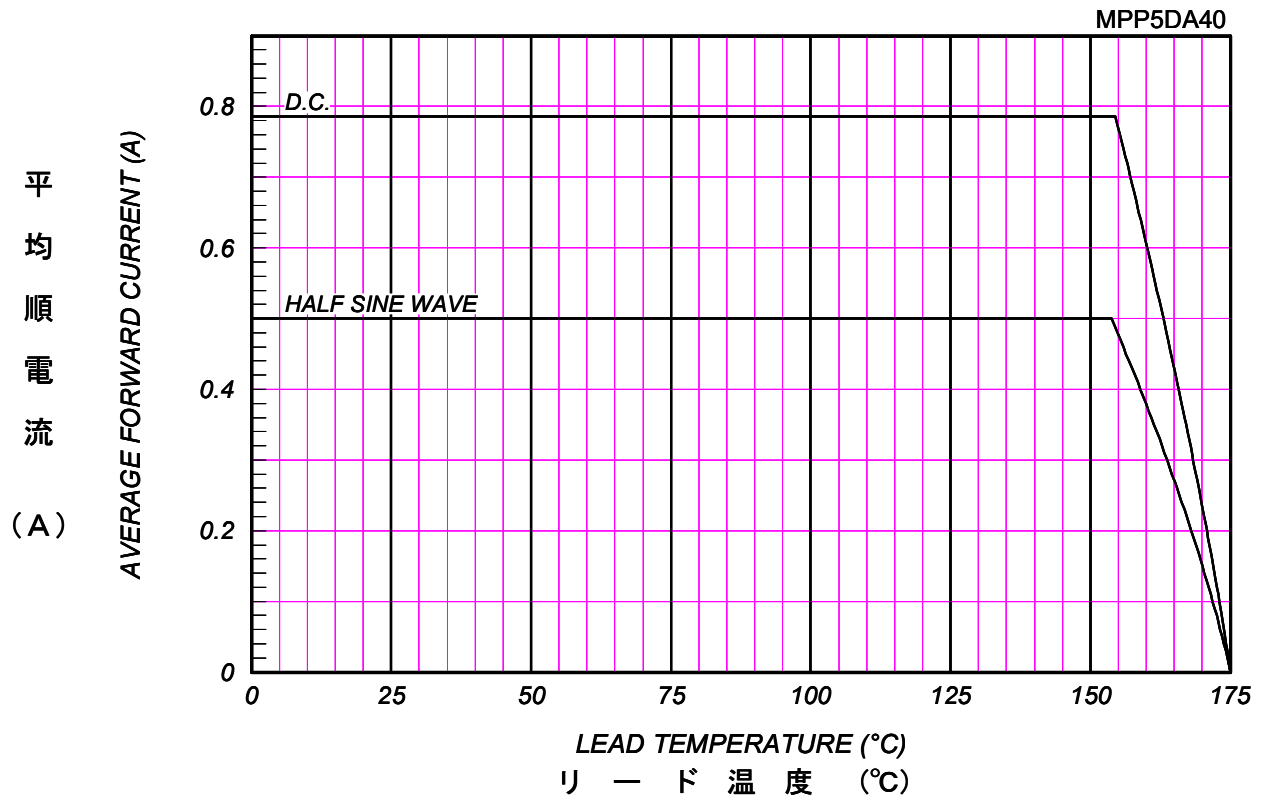
順電圧特性
FORWARD CURRENT VS. VOLTAGE



平均順電力損失特性
AVERAGE FORWARD POWER DISSIPATION

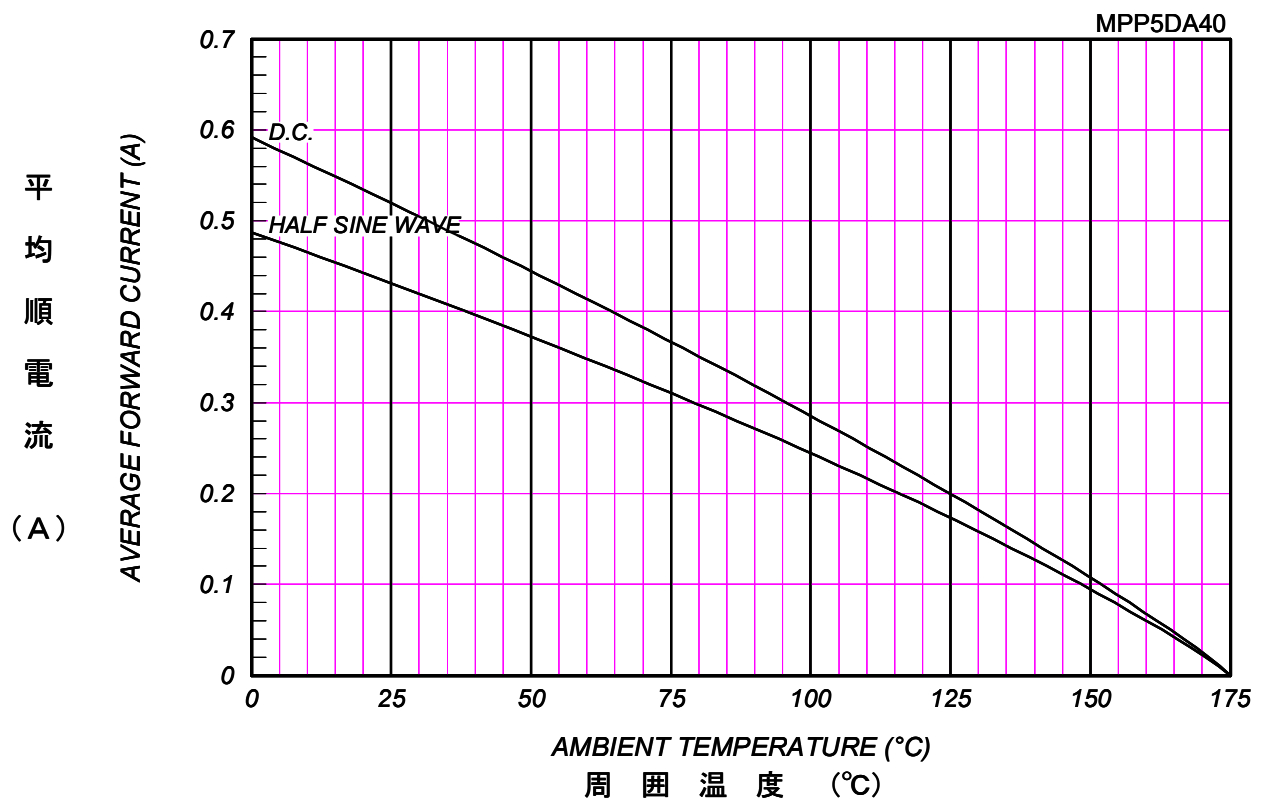


平均順電流－リード温度定格
AVERAGE FORWARD CURRENT VS. LEAD TEMPERATURE



平均順電流－周囲温度定格
AVERAGE FORWARD CURRENT VS. AMBIENT TEMPERATURE

Glass-Epoxy Substrate Mounted(Soldering Land=1.22×0.91mm,Both Side)



サージ順電流定格
SURGE CURRENT RATINGS

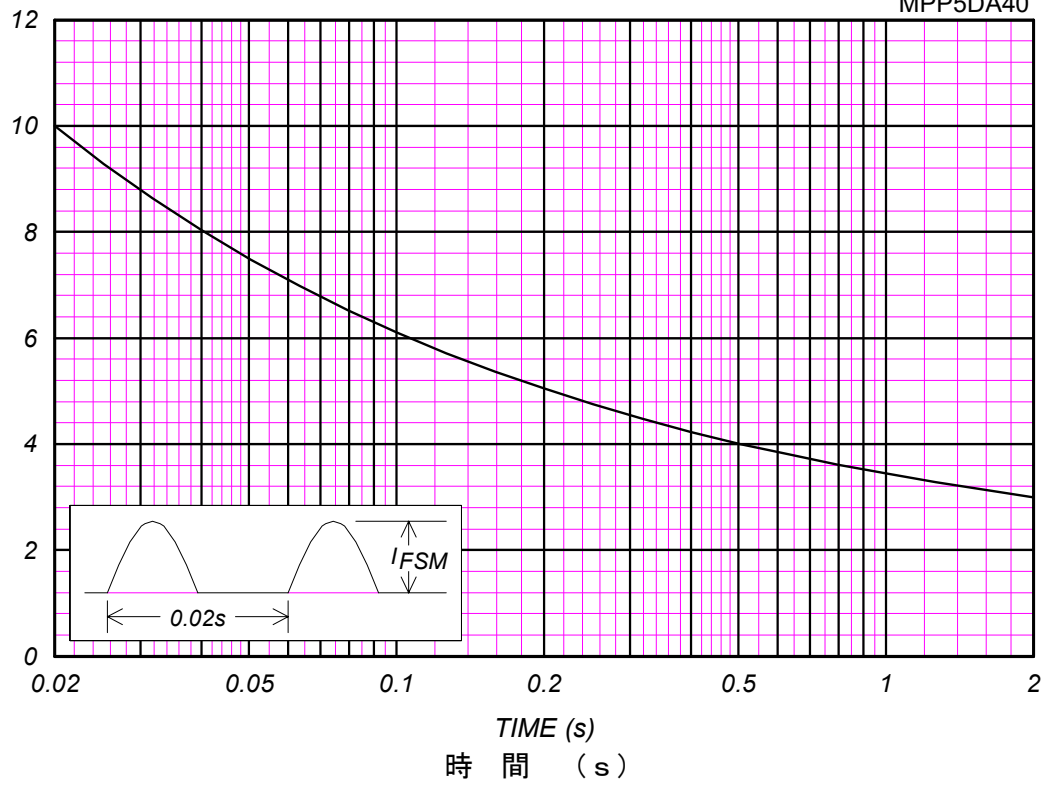
f=50Hz, Half Sine Wave, Non-Repetitive, No Load

MPP5DA40

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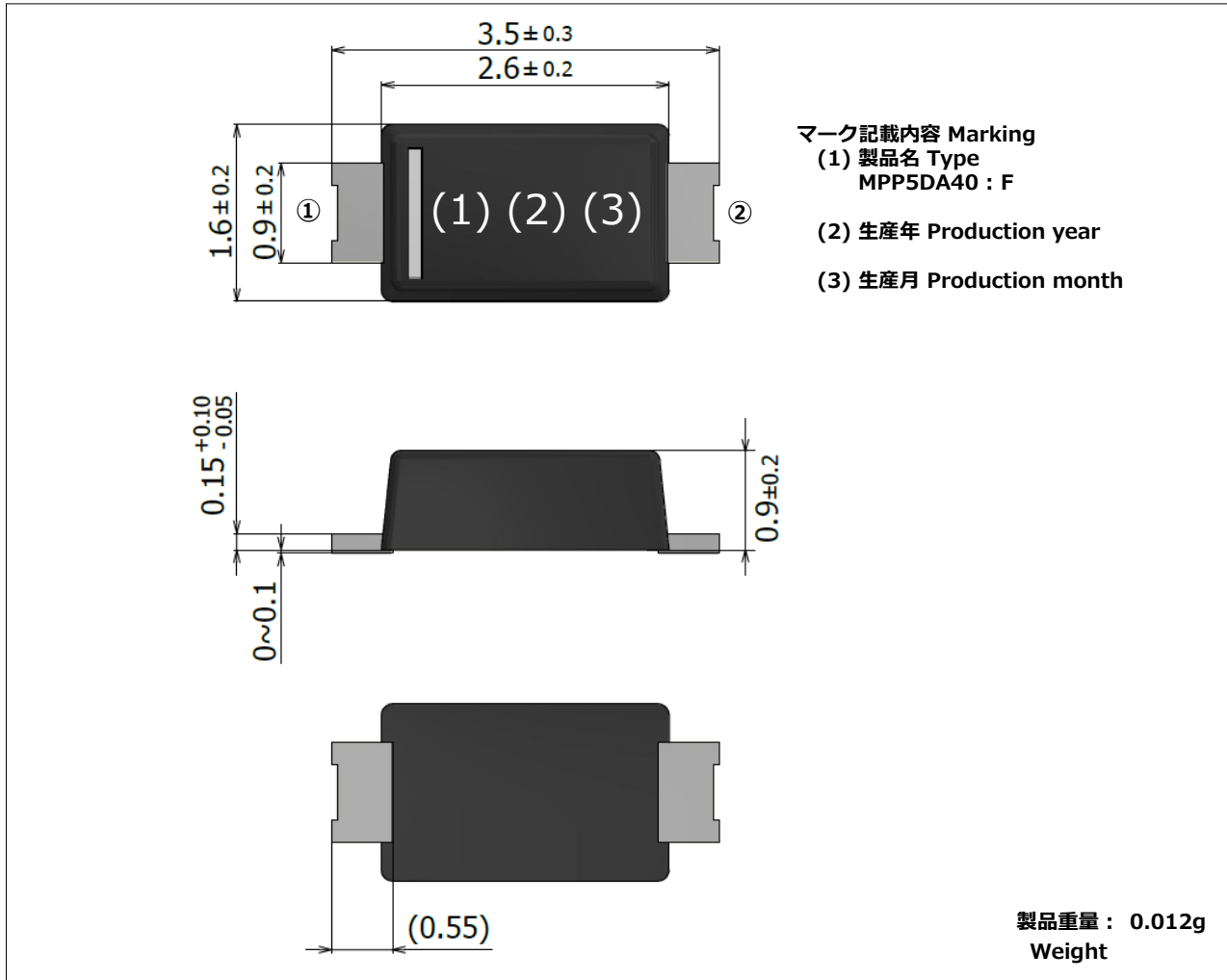
(A)

SURGE FORWARD CURRENT (A)

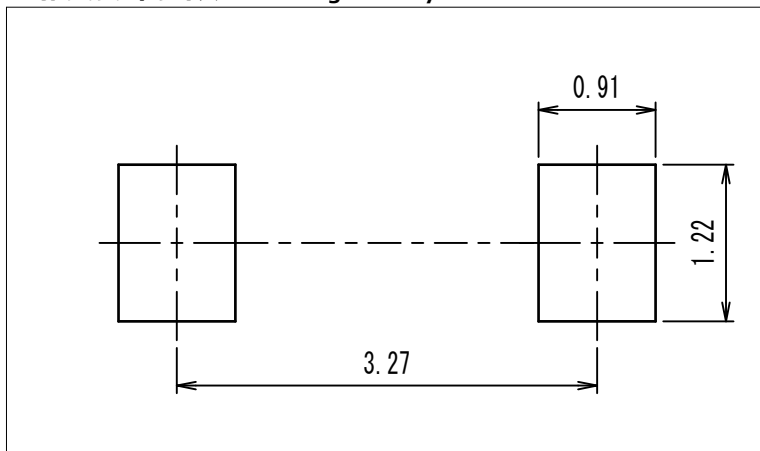


SOD-123_FL

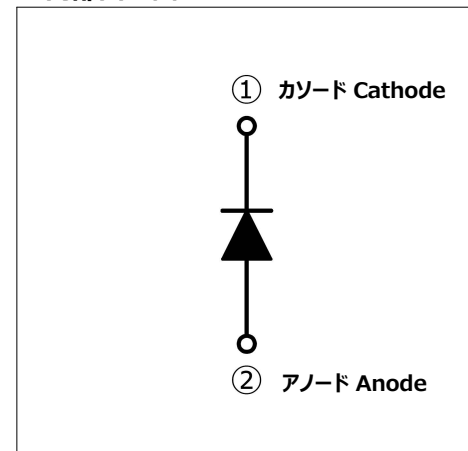
■ 外形図 Package Outline



■ 推奨ランドサイズ Mounting Pad Layout



■ 内部回路図 Inner Circuit



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