

1A Avg.

30 Volts

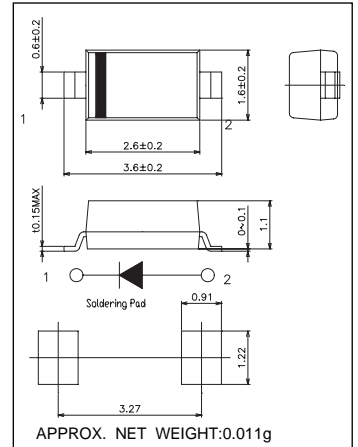
SBD

EP10LA03

最大定格 Maximum Ratings

Item	Symbol	Conditions	Unit
くり返しピーク逆電圧 Repetitive Peak Reverse Voltage	$V_{RRM}$	30	V
直流順電流 Direct Forward Current	$I_{DC}$	直流通電 Direct Current $T_I=100$ $T_a=30$ *	1.0 A
平均整流電流 Average Rectified Forward Current	$I_o$	方形波通電 Rectangular Wave $T_I=98$ $T_a=25$ *	0.8 A
サージ順電流 Surge Forward Current	$I_{FSM}$	12 50Hz正弦半波, 1サイクル, 非くり返し 50Hz Half Sine Wave, 1cycle, Non-repetitive	A
動作接合温度範囲 Operating Junction Temperature Range	$T_{jw}$	- 40 ~ + 125	
保存温度範囲 Storage Temperature Range	$T_{stg}$	- 40 ~ + 125	

OUTLINE DRAWING(mm)



電氣的・熱的特性 Electrical/Thermal Characteristics

Item	Symbol	Conditions	Min.	Typ.	Max.	Unit
ピーク逆電流 Peak Reverse Current	$I_{RM}$	$T_j = 25$ , $V_{RM} = V_{RRM}$	-	-	2	mA
ピーク順電圧 Peak Forward Voltage	$V_{FM}$	$T_j = 25$ , $I_{FM} = 1A$	-	-	0.39	V
熱抵抗 Thermal Resistance	$R_{th(j-a)}$	接合部・周囲間* Junction to Ambient*	-	-	270	/W
	$R_{th(j-l)}$	接合部・リード間 Junction to Lead	-	-	70	/W

\*プリント基板実装/Glass-Epoxy Substrate mounted (Soldering Lands= 1 x 1 mm, Both Sides)  
( $T_I$ : Lead Temperature)

定格・特性曲線

