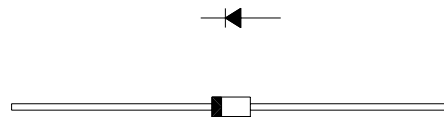


10DDA40

外形図

構造 拡散型シリコンダイオード, リード線型
 Construction Diffusion-type Silicon Rectifier Diode
用途 一般整流用
 Application For General Use



質量 : 0.32 g

最大定格 MAXIMUM RATINGS

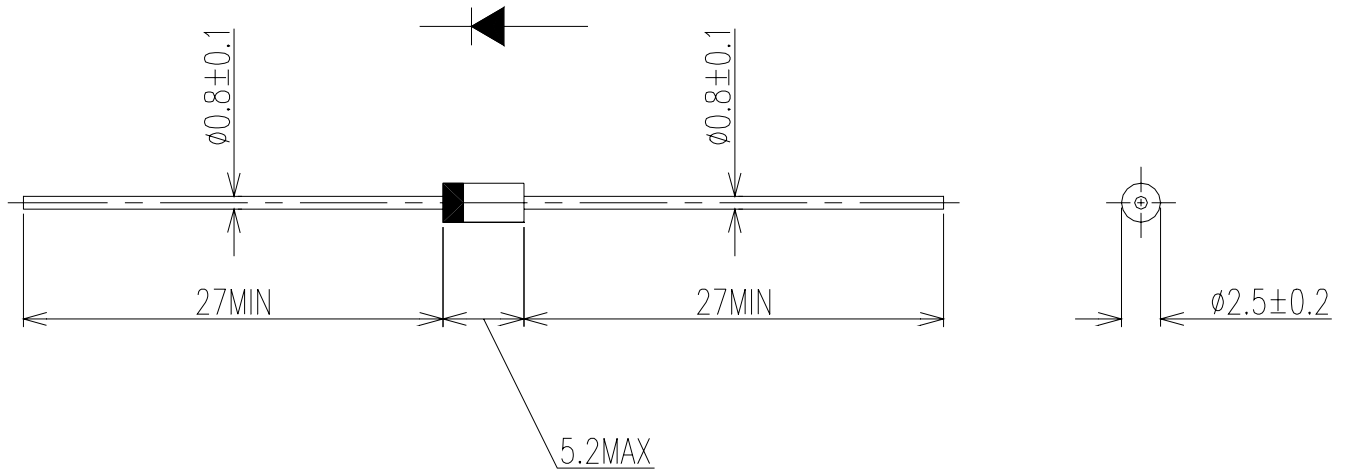
Item	Symbol	Condition	Max. Rated value	Unit
くり返しピーク逆電圧 Repetitive peak reverse voltage	V _{RRM}		400	V
平均整流電流 Average rectified forward current	I _O	50Hz 正弦半波 50Hz half sine wave 抵抗負荷 Resistance load	T _a = 58°C *1 1.0	A
			T _l = 132°C (T _l :Lead Temperature) 1.0	
実効順電流 R.M.S. forward current	I _{F(RMS)}		1.57	A
サージ順電流 Surge forward current	I _{FSM}	50Hz 正弦半波 1 サイクル 非くり返し 50Hz half sine wave 1cycle, non-repetitive	45	A
動作接合温度範囲 Operating junction temperature range	T _{jw}		- 40 ~ +150	
保存温度範囲 Storage temperature range	T _{stg}		- 40 ~ +150	

電氣的・熱的特性 ELECTRICAL / THERMAL CHARACTERISTICS

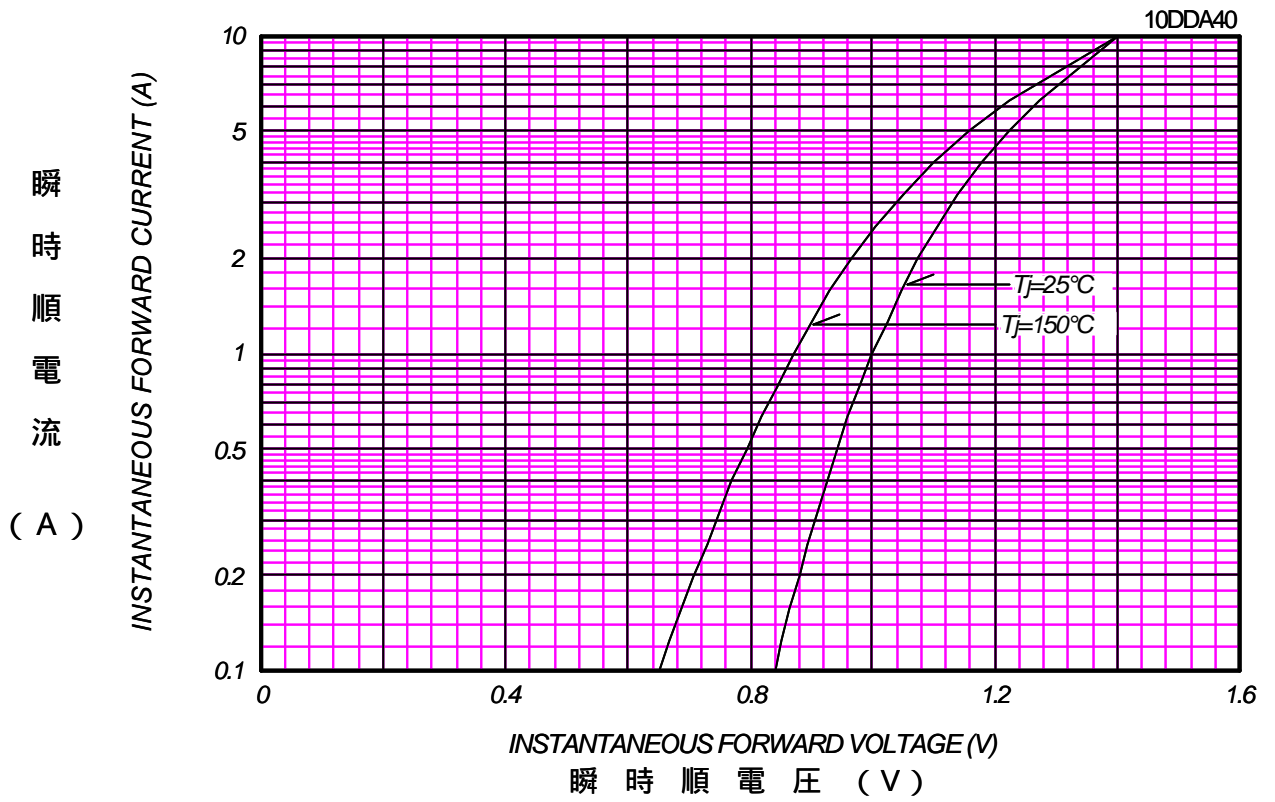
Item	Symbol	Condition	Min.	Typ.	Max.	Unit
ピーク逆電流 Peak reverse current	I _{RM}	V _{RM} =V _{RRM} T _j =25	-	-	10	μA
ピーク順電圧 Peak forward voltage	V _{FM}	I _{FM} =1A T _j =25	-	-	1.0	V
熱抵抗 Thermal resistance	R _{th(j-a)}	接合部・周囲間 Junction to Ambient *1(単体フィン無し)	-	-	91	/W
	R _{th(j-l)}	接合部・リード間 Junction to Lead	-	-	17	

*1 : 単体フィン無し / Without Fin or P.C. Board mounted

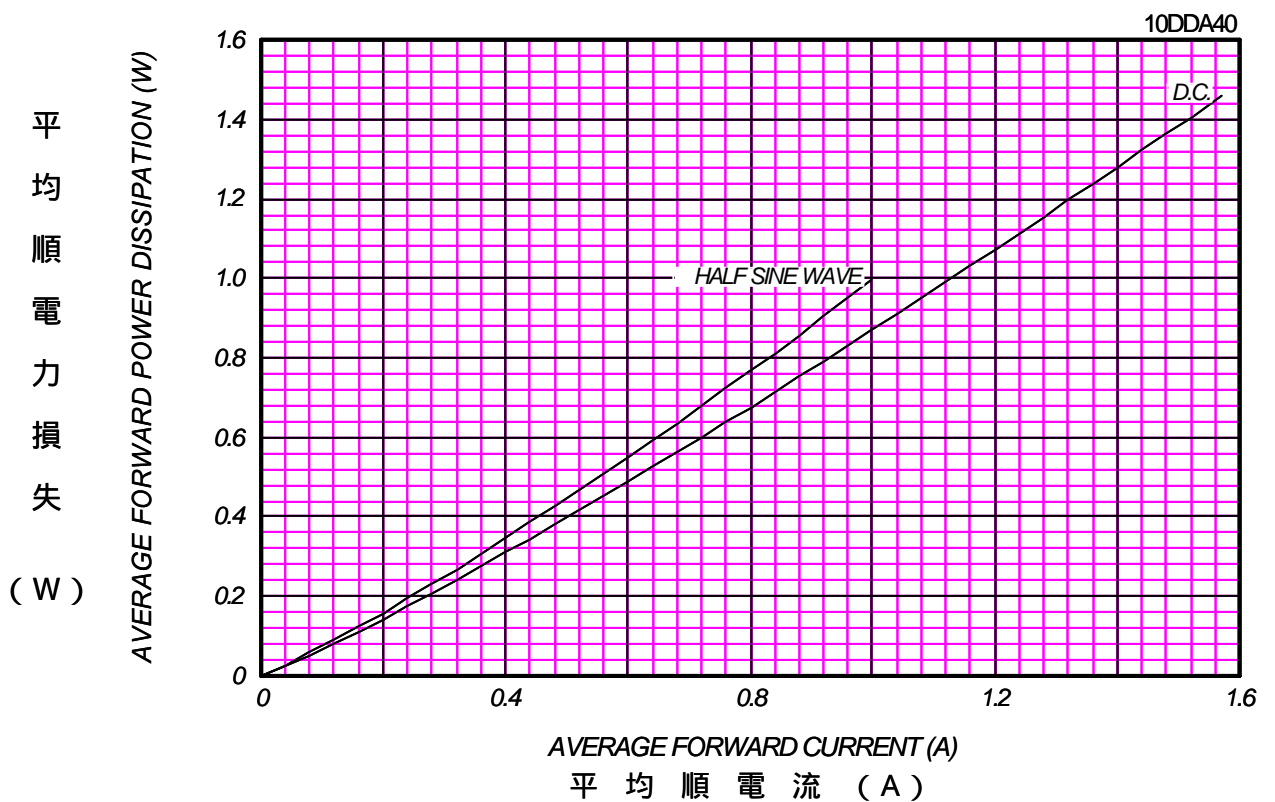
10DDA 外形図 (単位: mm)



順電压特性
FORWARD CURRENT VS. VOLTAGE



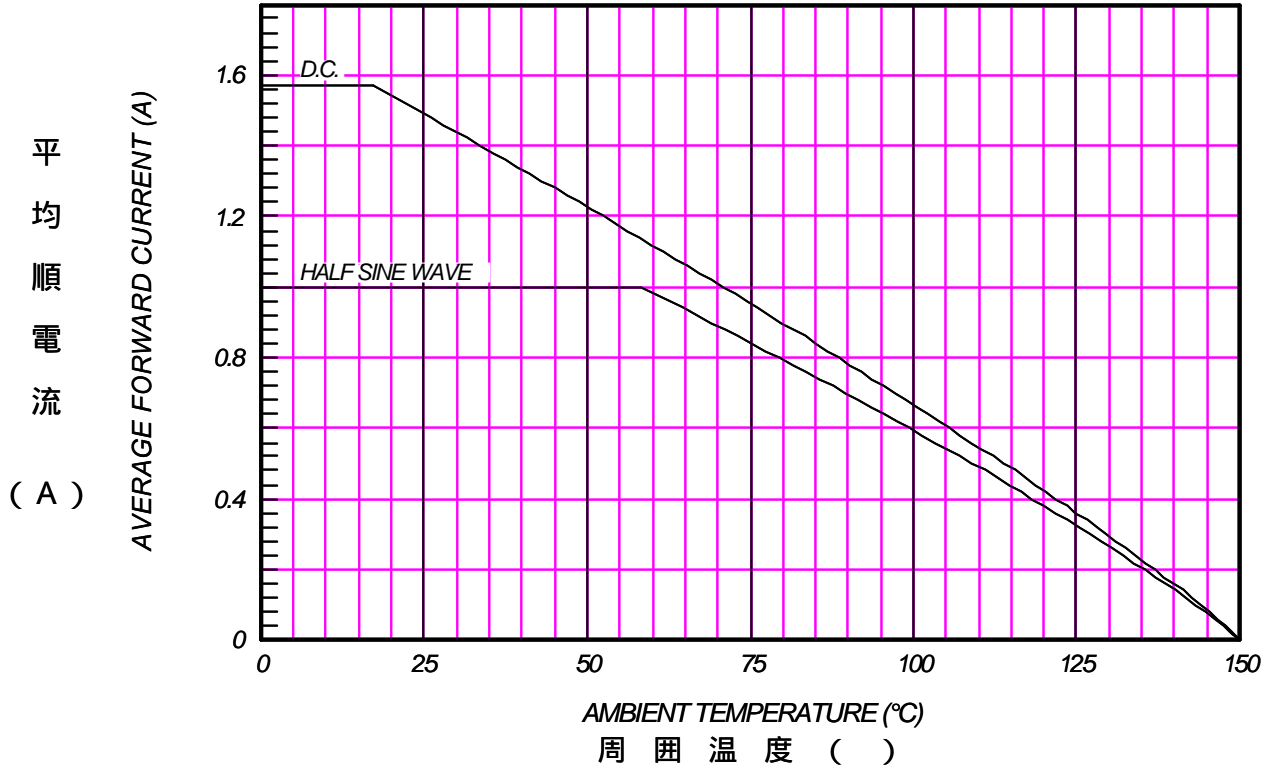
平均順電力損失特性
AVERAGE FORWARD POWER DISSIPATION



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

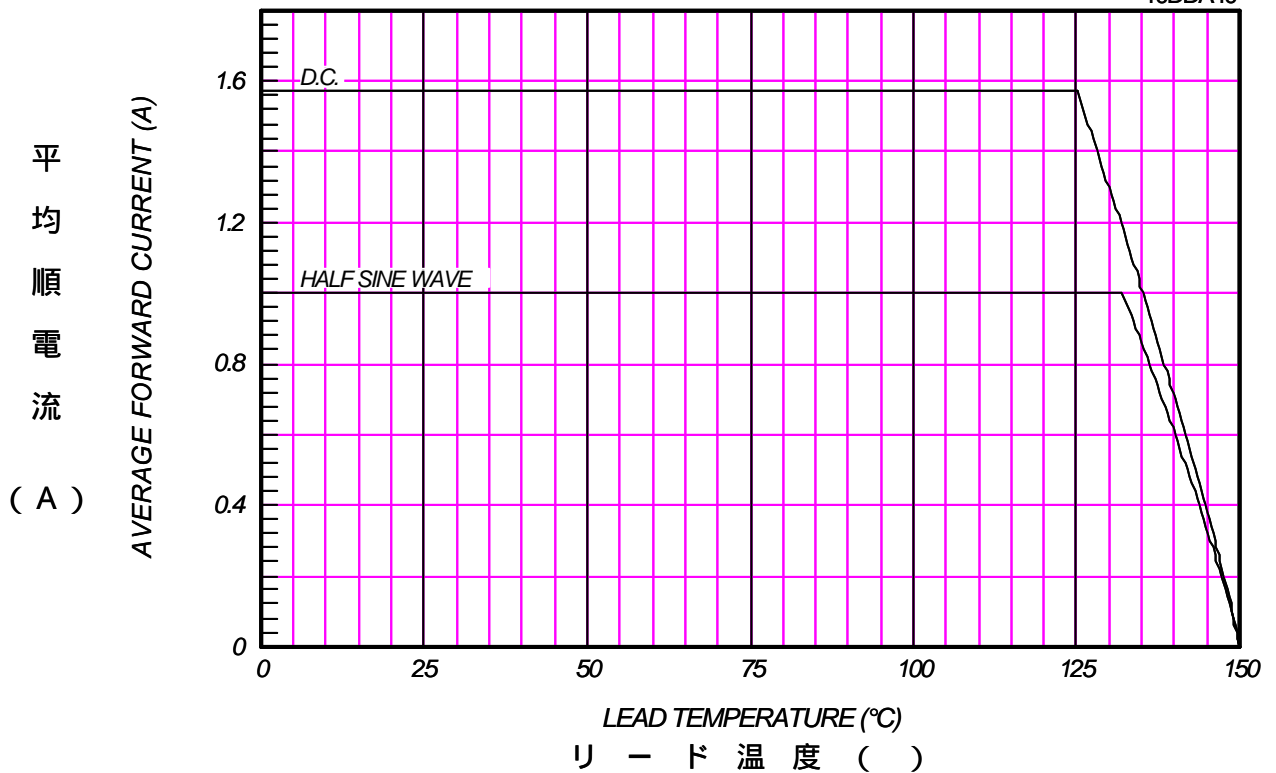
AMBIENT Without Fin or P.C. Board

10DDA40



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

10DDA40



サージ順電流定格 SURGE CURRENT RATINGS

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

10DDA40

サ
ー
ジ
順
電
流

(A)

SURGE FORWARD CURRENT (A)

