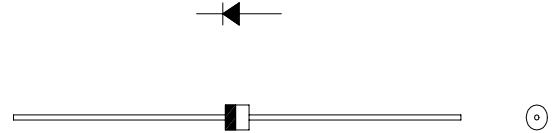


**1A 200V**
**SBD Type : 10EHA20**

OUTLINE DRAWING

 構造 : ショットキバリア・ダイオード(SBD)  
 リード線型

 Construction: Schottky barrier Diode  
 Axial Lead Type

 用途 : 高周波整流用  
 Application: High Frequency Rectification

**最大定格 / Maximum Ratings**

Approx Net Weight:0.17g

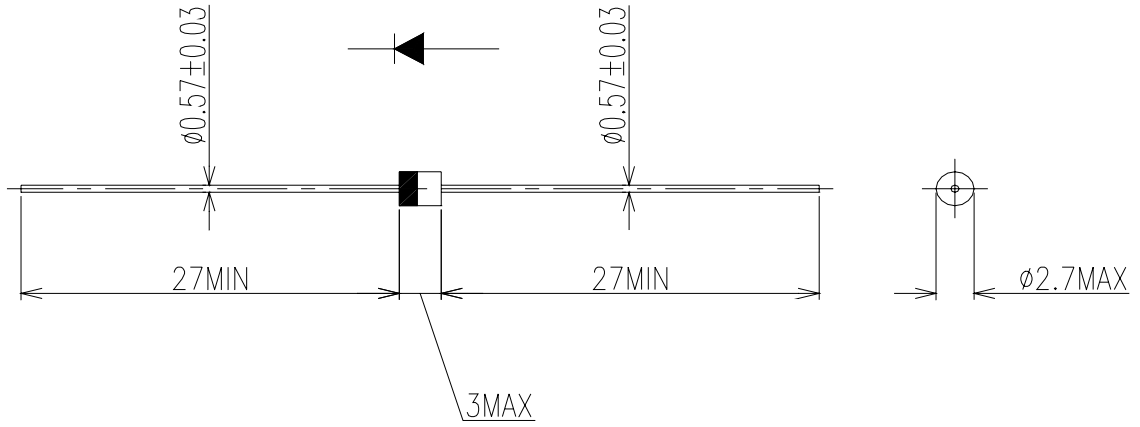
Rating	Symbol	10EHA20			Unit
くり返しピーク逆電圧 Repetitive Peak Reverse Voltage	$V_{RRM}$	200			V
平均整流電流 Average Rectified Output Current	$I_O$	1.0	Ta=40	50Hz, 正弦半波通電 Half Sine Wave 抵抗負荷 Resistive Load	A
		0.9	Ta=25		
実効順電流 RMS Forward Current	$I_{F(RMS)}$	1.57			A
サージ順電流 Surge Forward Current	$I_{FSM}$	20	50Hz 正弦半波, 1サイクル, 非くり返し Half Sine Wave, 1cycle, Non-repetitive		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**

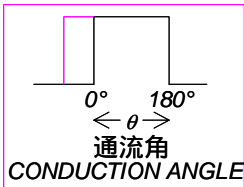
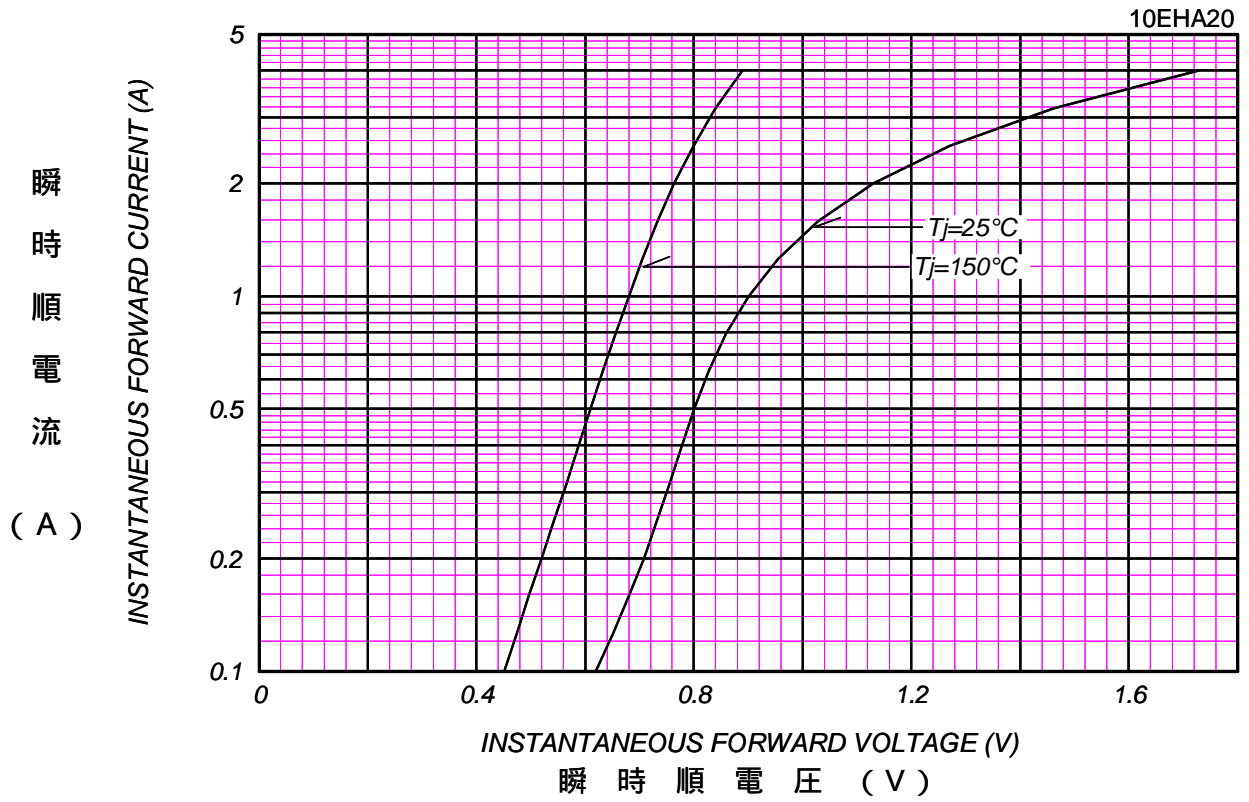
Characteristics	Symbol	Conditions	Min.	Typ.	Max.	Unit
ピーク逆電流 Peak Reverse Current	$I_{RM}$	$T_j = 25$ , $V_{RM} = V_{RRM}$	-	-	200	$\mu A$
ピーク順電圧 Peak Forward Voltage	$V_{FM}$	$T_j = 25$ , $I_{FM} = 1 A$	-	-	0.90	V
熱抵抗 Thermal Resistance	$R_{th(j-a)}$	P.C.Board mounted*	-	-	110	/W
		Without P.C.Board mounted	-	-	140	

\*:Print Lands =5 x 5mm,Both sides

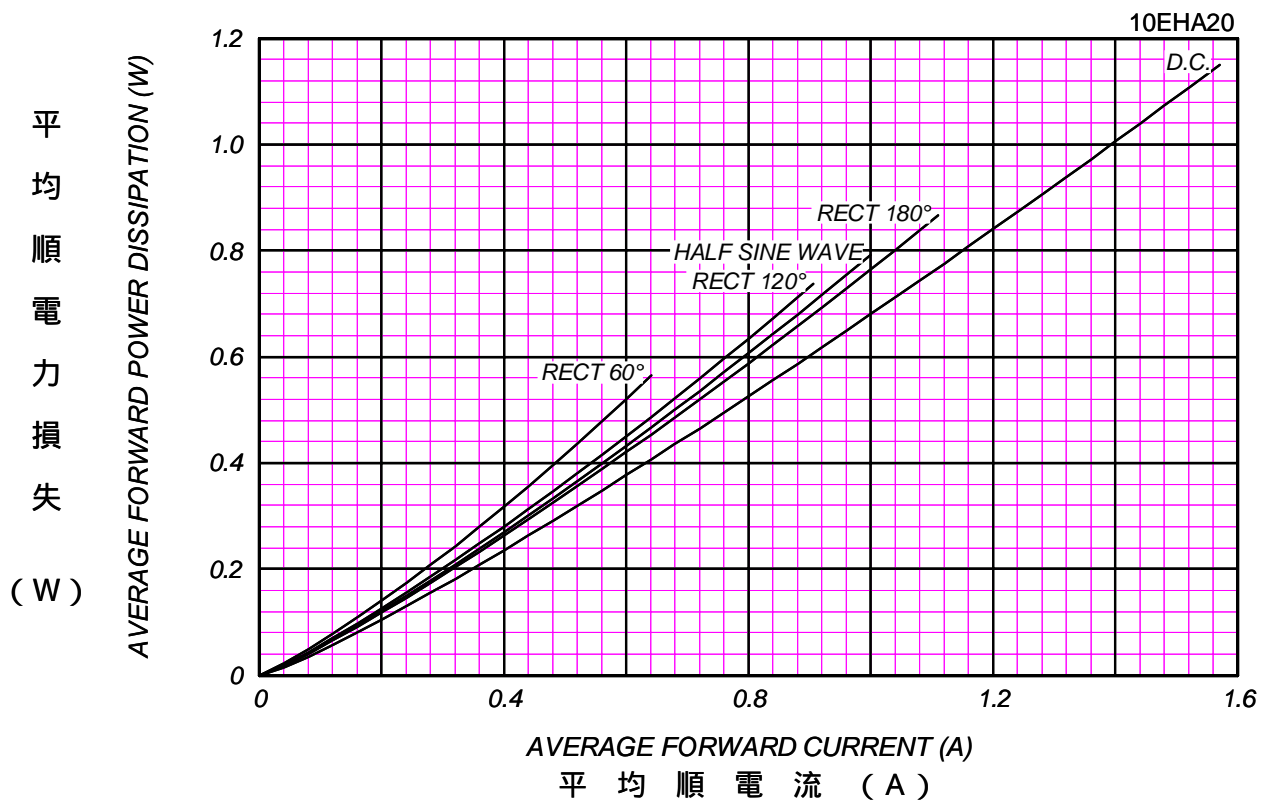
10EHA\_外形図 (mm)



順電壓特性  
FORWARD CURRENT VS. VOLTAGE

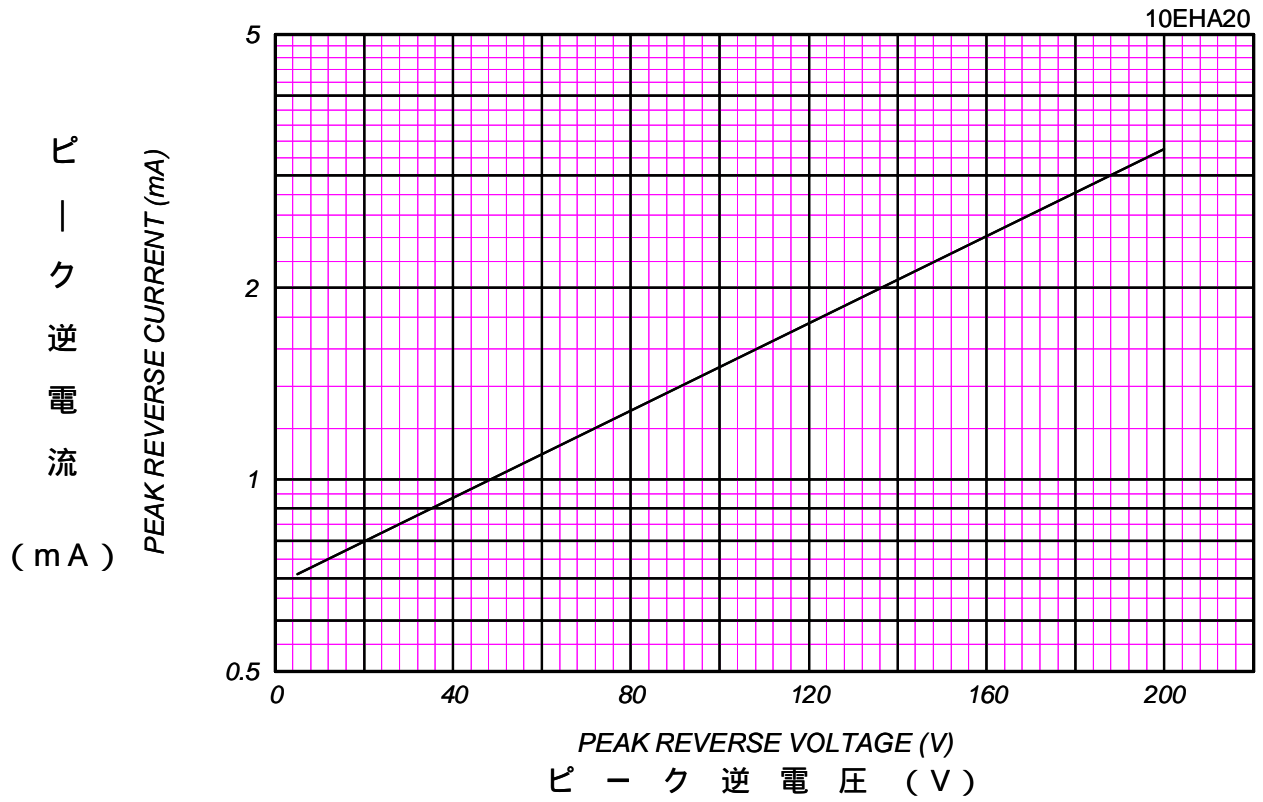


平均順電力損失特性  
AVERAGE FORWARD POWER DISSIPATION

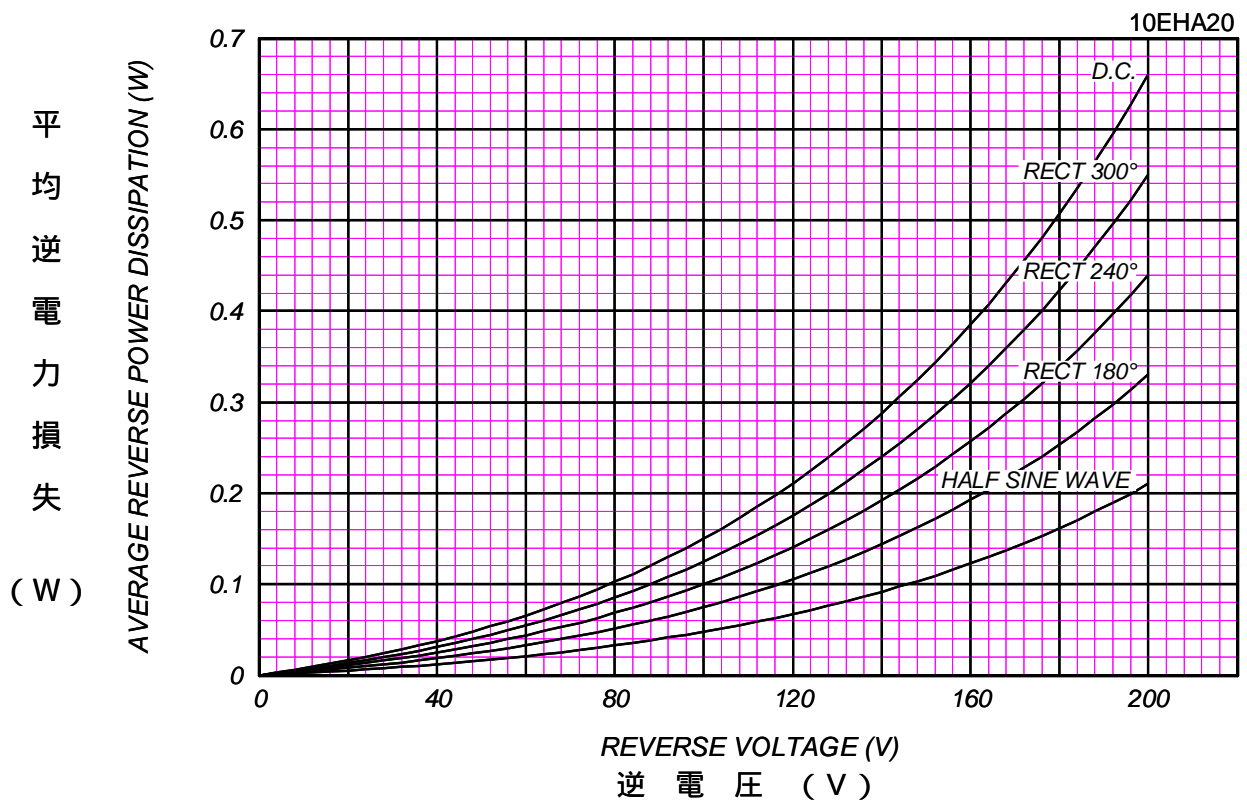


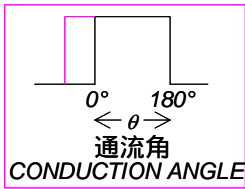
ピーク逆電流 - ピーク逆電圧特性  
 PEAK REVERSE CURRENT VS. PEAK REVERSE VOLTAGE

T<sub>j</sub> = 150 °C



平均逆電力損失  
 AVERAGE REVERSE POWER DISSIPATION



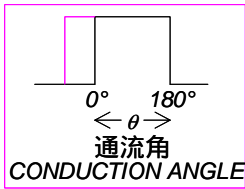
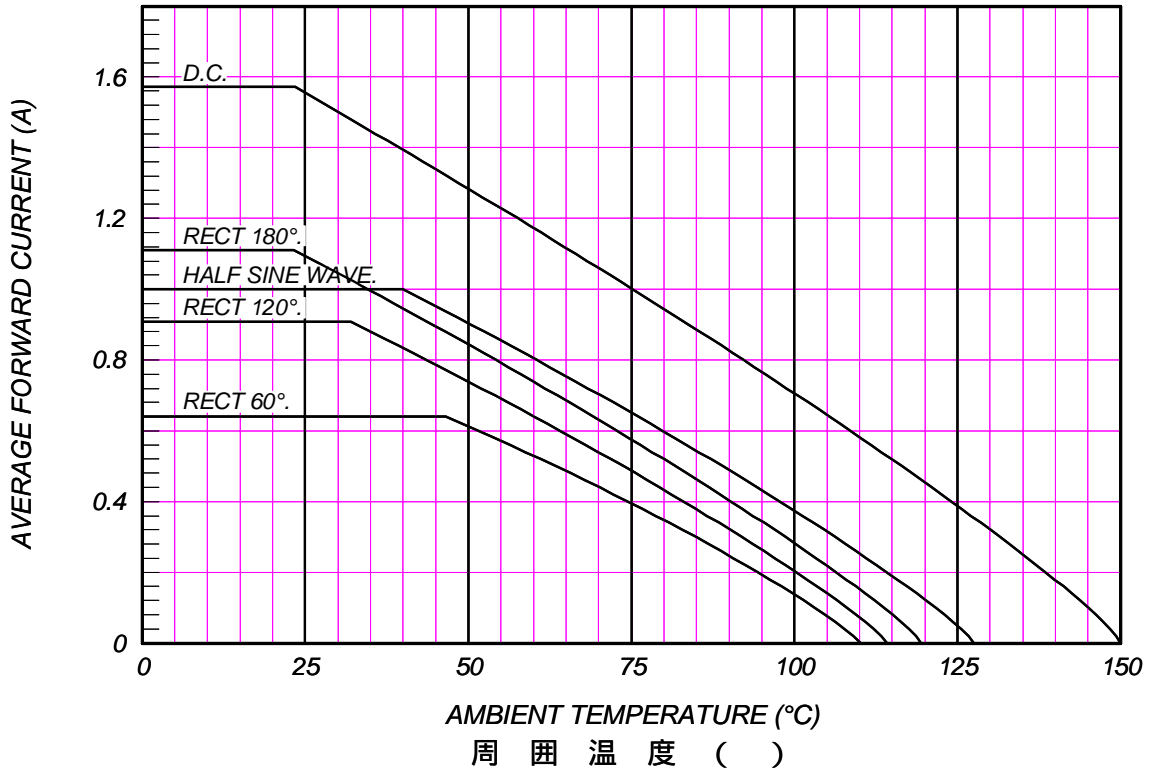


平均順電流 - 周圍溫度定格  
 AVERAGE FORWARD CURRENT VS. AMBIENT TEMPERATURE

P.C. Board mounted(L=3mm,Print Land=5x5mm), $V_{RM}=200V$

10EHA20

平均順電流  
 (A)

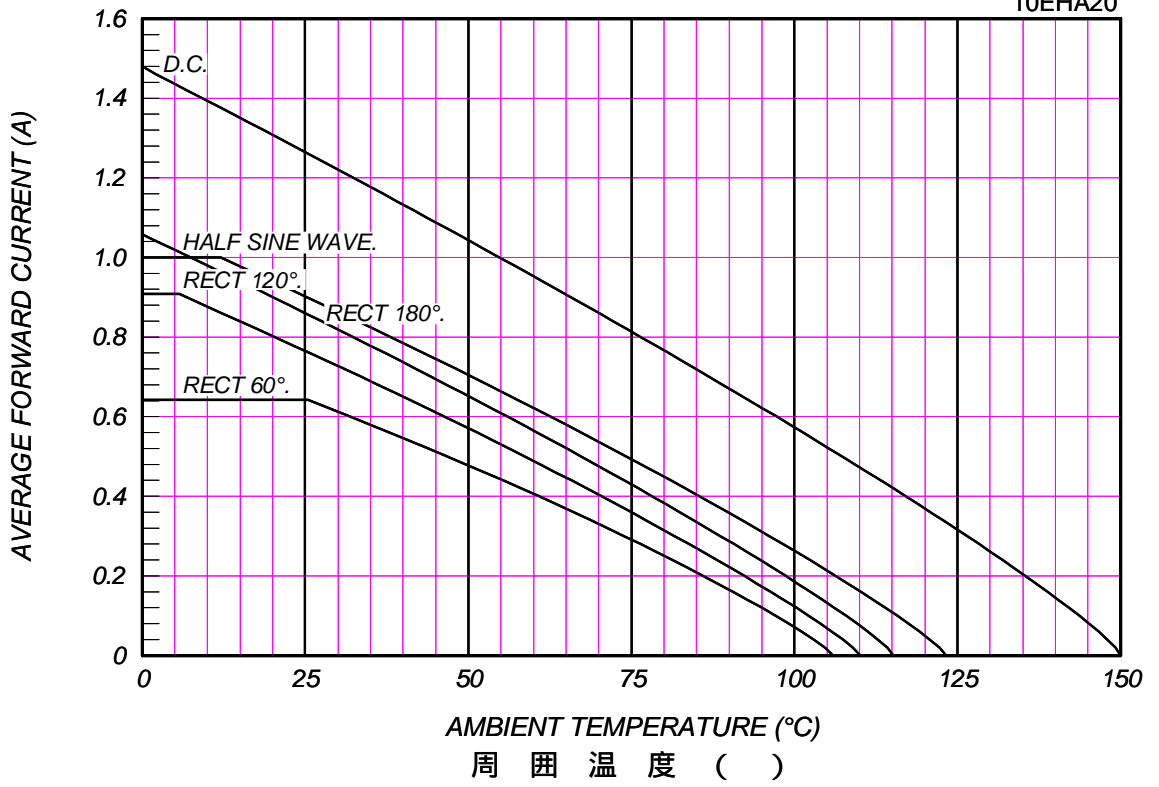


平均順電流 - 周圍溫度定格  
 AVERAGE FORWARD CURRENT VS. AMBIENT TEMPERATURE

Without Fin or P.C. Board, $V_{RM}=200V$

10EHA20

平均順電流  
 (A)



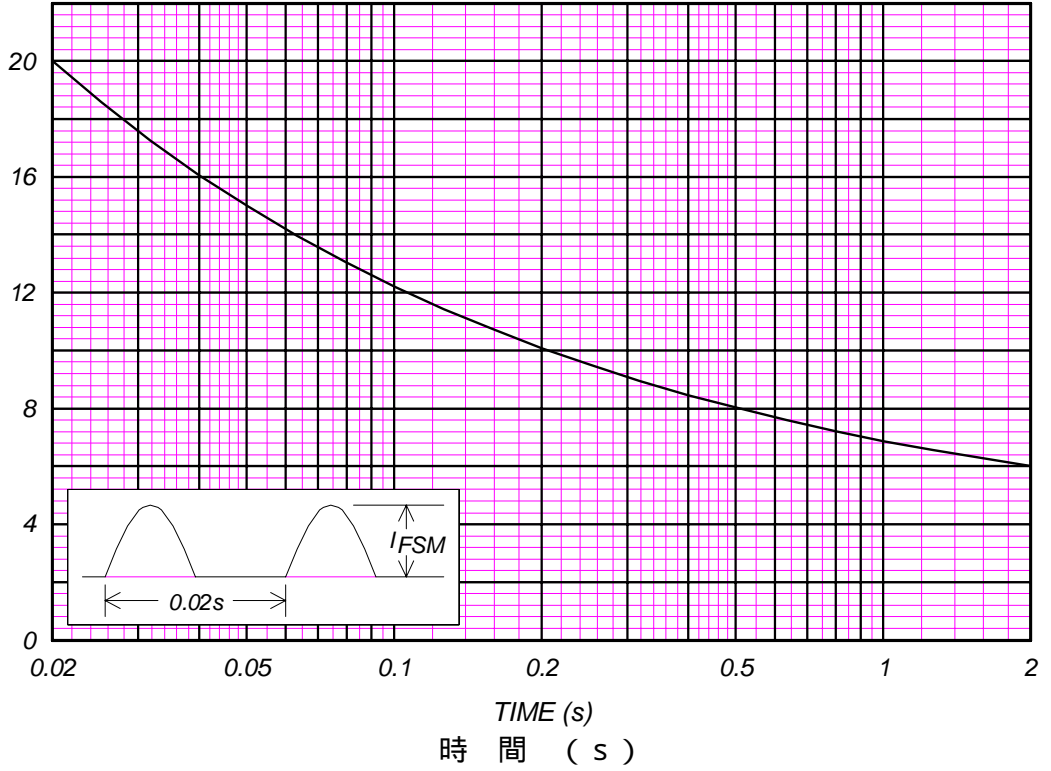
# サージ順電流定格 SURGE CURRENT RATINGS

f=50Hz, Half Sine Wave 1cycle, Non-repetitive, No Load

10EHA20

サ  
ー  
ジ  
順  
電  
流  
  
(A)

SURGE FORWARD CURRENT (A)



# 接合容量特性 JUNCTION CAPACITANCE VS. REVERSE VOLTAGE

T<sub>j</sub>=25°C, V<sub>m</sub>=20mV<sub>RMS</sub>, f=100kHz, Typical Value

10EHA20

接  
合  
容  
量  
  
(pF)

JUNCTION CAPACITANCE (pF)

