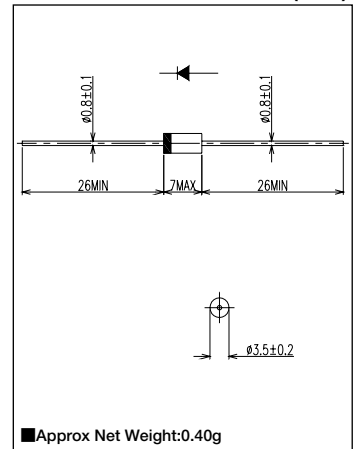


# 2A Avg. 400 Volts Standard Recovery Diode 20KDA40

## ■最大定格 Maximum Ratings

Item	Symbol	Conditions	Unit
くり返しピーク逆電圧 Repetitive Peak Reverse Voltage	$V_{RRM}$	400	V
平均整流電流 Average Rectified Output Current	$I_O$	50Hz 正弦半波抵抗負荷 50Hz half sine wave Resistance load	$T_a=34^{\circ}\text{C}^{*1}$ 1.7 A
			$T_l=115^{\circ}\text{C}$ 2.0 A
実効順電流 R.M.S. Forward Current	$I_F(\text{RMS})$	3.14	A
サージ順電流 Surge Forward Current	$I_{FSM}$	75 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~+150	$^{\circ}\text{C}$
保存温度範囲 Storage Temperature Range	$T_{stg}$	-40~+150	$^{\circ}\text{C}$

## ■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	$I_{RM}$	$T_j=25^{\circ}\text{C}, V_{RM}=V_{RRM}$	—	—	10	$\mu\text{A}$
ピーク順電圧 Peak Forward Voltage	$V_{FM}$	$T_j=25^{\circ}\text{C}, I_{FM}=2\text{A}$	—	—	1.0	V
熱抵抗 Thermal Resistance	$R_{th(j-a)}$	接合部・周囲間*1 Junction to Ambient	—	—	70	$^{\circ}\text{C}/\text{W}$
	$R_{th(j-l)}$	接合部・リード間 Junction to Lead	—	—	17	$^{\circ}\text{C}/\text{W}$

\*1: プリント基板実装 / P.C. Board mounted (L=8mm, Print Lands=15×15 mm, Both Sides)

## ■定格・特性曲線

FIG.1  
順電圧特性  
FORWARD CURRENT VS. VOLTAGE

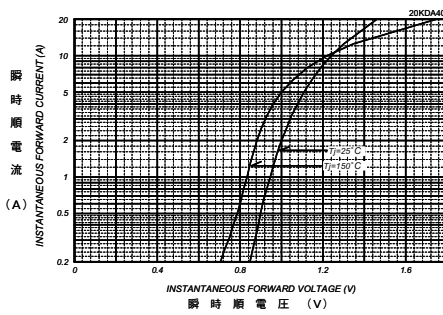


FIG.2  
平均順電力損失特性  
AVERAGE FORWARD POWER DISSIPATION

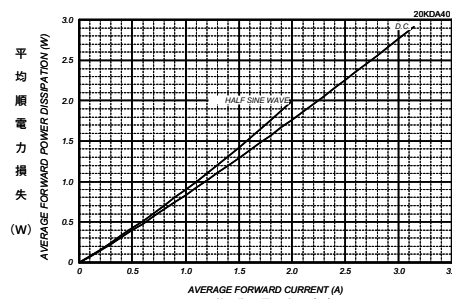


FIG.3  
平均順電流 - 周囲温度定格  
AVERAGE FORWARD CURRENT VS. AMBIENT TEMPERATURE  
P.C. Board mounted (L=8mm, Print Land=15x15mm, Both Sides)

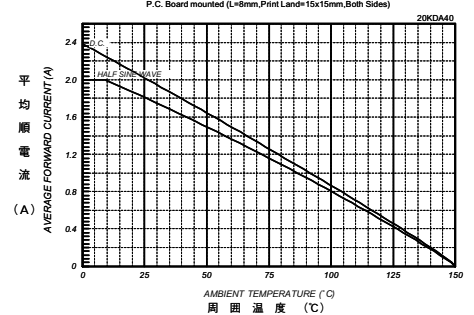


FIG.4  
平均順電流 - リード温度定格  
AVERAGE FORWARD CURRENT VS. LEAD TEMPERATURE  
( $R_{th(j-l)}=17^{\circ}\text{C}/\text{W}$ )

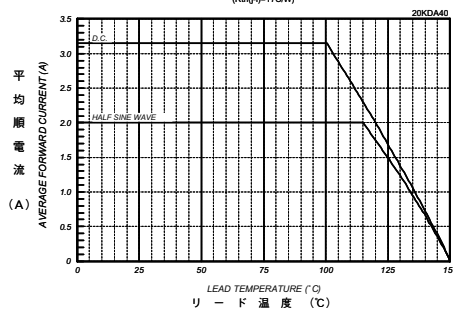


FIG.5  
サージ順電流定格  
SURGE CURRENT RATINGS  
f=50Hz, Half Sine Wave, Non-Repetitive, No Load

