

1.7A Avg.

30 Volts

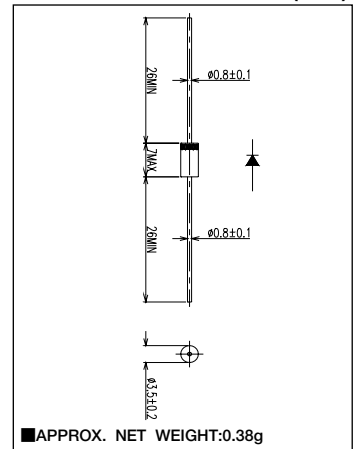
SBD

21DQ03L

■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	
平均整流電流 Average Rectified Forward Current	$I_O$	50Hz、正弦半波通電抵抗負荷 50Hz Half Sine Wave Resistive Load	1.42 1.7	A
実効順電流 R.M.S. Forward Current	$I_F(RMS)$	2.67	A	
サージ順電流 Surge Forward Current	$I_{FSM}$	50 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	°C	
保存温度範囲 Storage Temperature Range	$T_{stg}$	-40~+150	°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	$I_{RM}$	$T_j=25^{\circ}C, V_{RM}=V_{RRM}$	—	—	2	mA
ピーク順電圧 Peak Forward Voltage	$V_{FM}$	$T_j=25^{\circ}C, I_{FM}=2A$	—	—	0.45	V
熱抵抗 Thermal Resistance	$R_{th(j-a)}$	接合部・周囲間 Junction to Ambient	—	—	105	°C/W
			—	—	80	°C/W

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

\*2: プリント基板実装 / P.C. Board Mounted(Print Lands=5×5 mm, Both Sides)

■定格・特性曲線

FIG.1

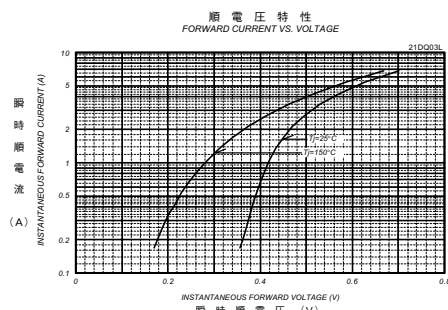


FIG.2

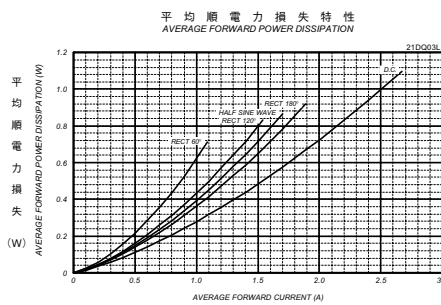


FIG.3

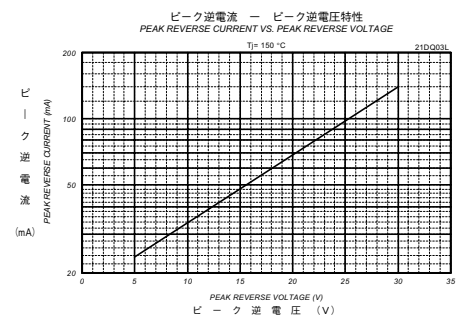


FIG.4

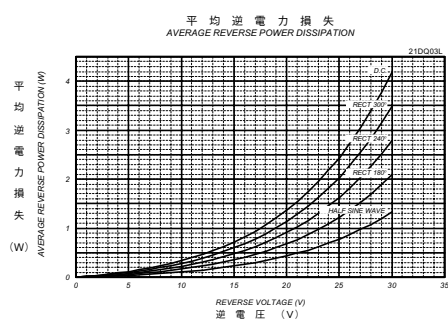


FIG.5

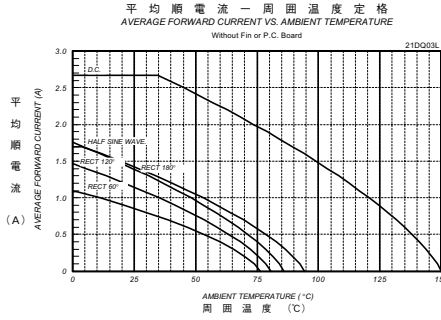


FIG.6

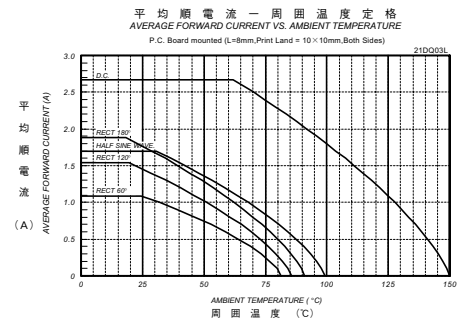


FIG.7

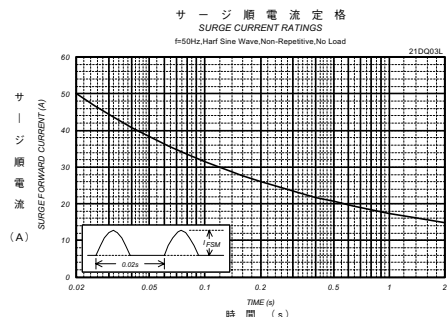


FIG.8

