

# 1A Avg. 400/600 Volts

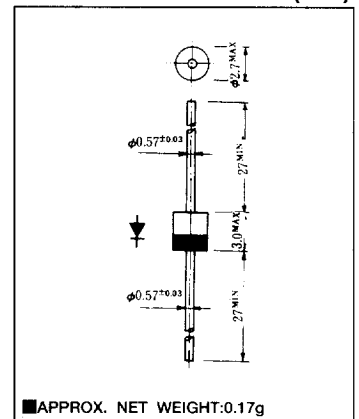
# FRD

# 10ELS4/10ELS6

## ■最大定格 MAXIMUM RATINGS

Rating	Type	10ELS4	10ELS6	Unit
くり返しピーク逆電圧 Repetitive Peak Reverse Voltage	$V_{RRM}$	400	600	V
非くり返しピーク逆電圧 Non-repetitive Peak Reverse Voltage	$V_{RSM}$	600	700	V
平均整流電流 Average Rectified Output Current	Without Fin or P.C.Board	0.77 (商用周波数、正弦波180度通電 $T_a=25^{\circ}C$ ) Half Sine Wave, Resistive Load		A
	P.C.Board mounted *	1.0 (商用周波数、正弦波180度通電 $T_a=26^{\circ}C$ ) Half Sine Wave, Resistive Load		A
実効順電流 RMS Forward Current	$I_{F(RMS)}$	1.57		A
サージ順電流 Surge Forward Current	$I_{FSM}$	50 (50Hz準正弦半波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		$^{\circ}C$
保存温度範囲 Storage Temperature Range	$T_{stg}$	-40 ~ +150		$^{\circ}C$

## ■OUTLINE DRAWING(mm)



## ■電気的特性 ELECTRICAL CHARACTERISTICS

Characteristic	Symbol	Test Condition	Min.	Typ.	Max.	Unit
ピーク逆電流 Peak Reverse Current	$I_{RM}$	$V_{RM}=V_{RRM}$ $T_j=25^{\circ}C$	—	—	10	$\mu A$
ピーク順電圧 Peak Forward Voltage	$V_{FM}$	$I_{FM}=1A$ $T_j=25^{\circ}C$	—	—	1.15	V
逆回復時間 Reverse Recovery Time	$t_{rr}$	$I_{FM}=1A$ $-di/dt=50A/\mu s$ $T_a=25^{\circ}C$	—	—	150	ns
熱抵抗(接合部-周囲間) Thermal Resistance(Junction to Ambient)	$R_{th(j-a)}$	Without Fin or P.C.Board	—	—	140	$^{\circ}C/W$
		P.C.Board mounted *	—	—	100	$^{\circ}C/W$

\* Print Lands = 7×7 mm, Both Sides

## ■定格・特性曲線

FIG.1

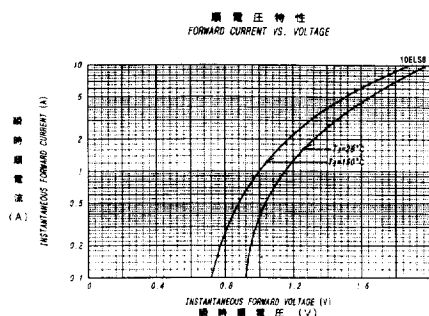


FIG.2

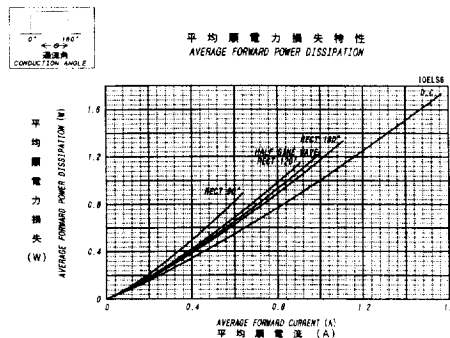


FIG.3

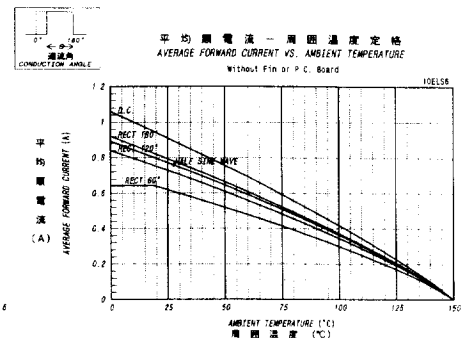


FIG.4

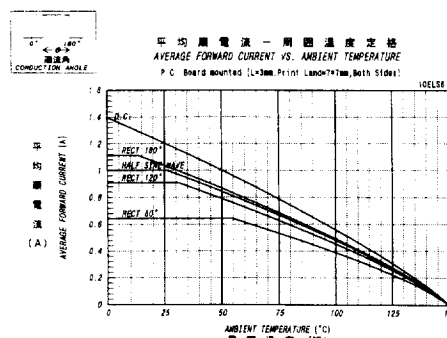


FIG.5

