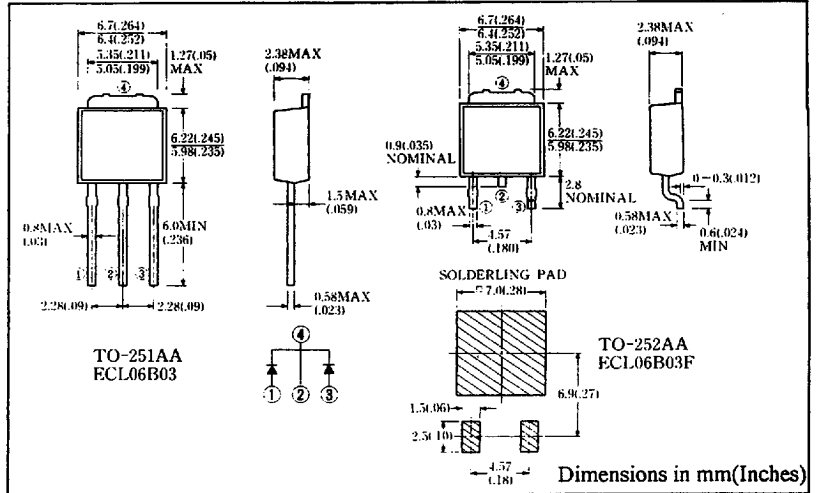


#### FEATURES

- TO-251AA Case : ECL06B03
- TO-252AA Case : ECL06B03F  
Surface Mounting Device  
Packaged in 16mm Tape and Reel
- Dual Diodes—Cathode Common
- Extremely Low Forward Voltage Drop
- Low Power Loss, High Efficiency
- High Surge Capability



Approx. Net Weight : 0.35 Grams      0.3Grams

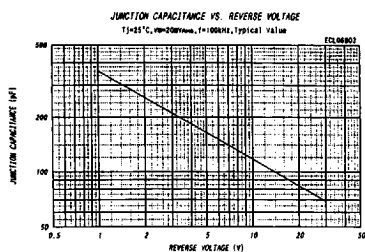
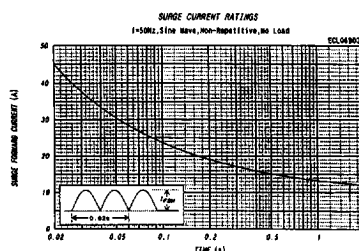
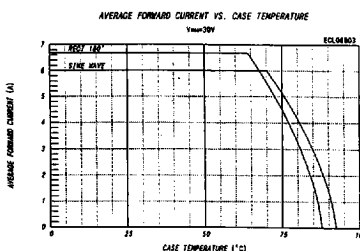
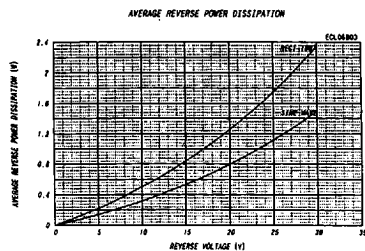
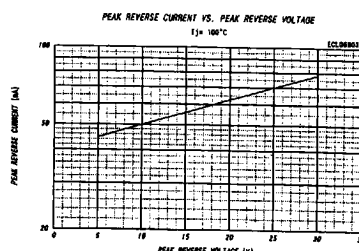
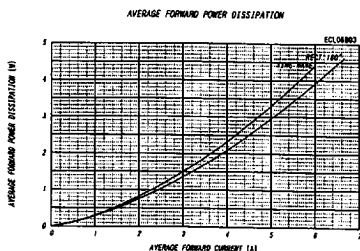
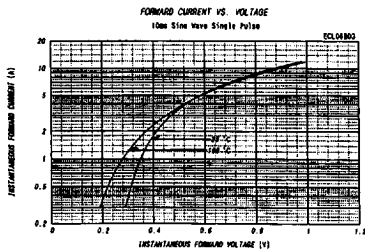
#### MAXIMUM RATINGS

Voltage Rating	Type	ECL06B03 ECL06B03F		Unit
	Symbol			
Repetitive Peak Reverse Voltage	$V_{RRM}$	30		V
Repetitive Peak Surge Reverse Voltage (Pulse width $\leq 1\mu$ sec) (Duty $\leq 1/50$ )	$V_{RSM}$	35		V
Electrical Rating	Symbol	Condition	Rating	Unit
Average Rectified Output Current (resistive load)	$I_o$	50Hz full sine wave $T_c=70^\circ\text{C}$	6.0	A
RMS Forward Current	$I_{F(RMS)}$		6.66	A
Peak One-cycle Forward Surge Current	$I_{FSM}$	50Hz half sine wave, non-repetitive	45	A
Operating Junction Temperature Range	$T_{jw}$		-40 to 100	$^\circ\text{C}$
Storage Temperature Range	$T_{stg}$		-40 to 125	$^\circ\text{C}$

#### ELECTRICAL & THERMAL CHARACTERISTICS

Characteristics	Symbol	Test Condition	Typ.	Max.	Unit
Peak Forward Voltage	$V_{FM}$	$I_{FM}=3A, T_j=25^\circ\text{C}$ per diode leg	—	0.47	V
		$I_{FM}=1A, T_j=25^\circ\text{C}$ per diode leg	0.29	—	
Peak Reverse Current	$I_{RM}$	$V_{RM}=V_{RRM} T_j=25^\circ\text{C}$ per diode leg	—	3	mA
Thermal Resistance	$R_{th(j-c)}$	Junction to Case	—	5	$^\circ\text{C/W}$

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