

+5 Volt Regulator				TYPE NO. CJSE033			
3% -55°C to +125°C				Si		Ge	
CUST. : General Purpose				-		REV.	
				CLASS		TO-3	
DEVICE MARKING .				STANDARD <input checked="" type="checkbox"/>		NOTES:	
(a) <b>S</b>				1) Case is $V_{in}$			
(b) CJSE033				2) Pin 2 is Ground			
(c) DATE CODE				3) Pin 1 is $V_{out}$			
GROUP A AND / OR PERFORMANCE CHARACTERISTICS							
NO.	SYMBOL	CONDITIONS		MIN.	MAX.	UNITS	
1		SUB I ( $t = +25^{\circ}\text{C}$ )					
2	$V_o$	$V_{in} = 9\text{V}$	$I_o = 0$	4.95	5.05	V	
3	$V_o$	$V_{in} = 9\text{V}$	$I_o = 3.0\text{A}$	4.95	5.05	V	
4	$V_o$	$V_{in} = 21\text{V}$	$I_o = 0$	4.95	5.05	V	
5	$V_o$	$V_{in} = 21\text{V}$	$I_o = 3.0\text{A}$	4.95	5.05	V	
6	$I_{SC}$	$V_{in} = 21\text{V}$	$V_o = 0$		500	mA	
7	$I_{KNEE}$	TYPICAL		4.5		A	
8	$I_{in}=I_{out}$	$V_{in} = 21\text{V}$	$I_o = 3.0\text{A}$		50	mA	
9	Ripple-Rej	$V_{in} = 12\text{V}, I_o=1.0\text{A}, f=120\text{Hz}, V_{AC}=4.0\text{V}_{P-P}$		55		db	
10							
11		SUB II ( $t = +125^{\circ}\text{C}$ )					
12	$V_o$	$V_{in} = 9\text{V}$	$I_o = 0$	4.85	5.15	V	
13	$V_o$	$V_{in} = 9\text{V}$	$I_o = 3.0\text{A}$	4.85	5.15	V	
14	$V_o$	$V_{in} = 21\text{V}$	$I_o = 0$	4.85	5.15	V	
15	$V_o$	$V_{in} = 21\text{V}$	$I_o = 3.0\text{A}$	4.85	5.15	V	
16		SUB III ( $t = -55^{\circ}\text{C}$ )					
17	$V_o$	$V_{in} = 9\text{V}$	$I_o = 0$	4.85	5.15	V	
18	$V_o$	$V_{in} = 9\text{V}$	$I_o = 3.0\text{A}$	4.85	5.15	V	
19	$V_o$	$V_{in} = 21\text{V}$	$I_o = 0$	4.85	5.15	V	
20	$V_o$	$V_{in} = 21\text{V}$	$I_o = 3.0\text{A}$	4.85	5.15	V	
SPECIAL REQUIREMENTS							