

PRODUCT SPECIFICATION

+5 Volt Regulator				TYPE NO. CJSE033			
3% -55°C to +125°C				Si	Ge	NPN	PNP
CUST. : General Purpose		-	REV.	CLASS		TO-3	
DEVICE MARKING .				STANDARD ☒		NOTES:	
(a) S						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	$V_{in} = 12\text{V}, I_o=1.0\text{A}, f=120\text{Hz}, V_{AC}=4.0\text{VP-P}$		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							