GENERAL (%) ELECTRIC

	<u> </u>	68A999750	
REY NO. A	TITLE TEST SPECIFICATIONS	CONT ON SHEET 2 SH N	o. 1
684999750	5.3V AND 12V, 6% OR 7A-REGULATOR		
CONT ON SHEET 2 \$4 HQ. 1	FIRST MADE FOR _ IC3601A250 A,B CR C		
	Towns and Indomeson WD CH C		REVISIO
			11010
ELEMENTARY (C3)	501A250 SH. 3.0		
SPECIAL TEST EQ	UIPMENT		
1. DIFFERENTIA			
2. +28V D.C. S	OURCE 20 AMP		
J. RESISTOR BR	IDGE OR 0-20V VARIABLE D.C. SUPPLY WITH 7. E	5 AMP CAPACITY	
PERFORM 5.3 VOL	T OR 12 VOLT TESTS DEPENDING ON TYPE IN HA	ND:	
	SWITCHES OPEN EXCEPT SW5 WHICH SHOULD BE ON VARIABLE LOAD.	crosto.	
1 Annuar	-		-
	FIG. 1. CLOSE SW1. SET VOLTMETER READIN R40 (ACCESSABLE FROM CARD FRONT)	G TO 5,3V ± 20MV.	
	-		E.S.
Z. LOAD REGULA' VERIFY THAT	Tion, close SW2. Vary load from minimum The 5.3 volts changes less than ±150my.	TO 6 AMPERES AND	78
CONNECTED A	CROSS V OUT (AC COUPLED, SONV/DIV, 10H5/DI	V.) VARY FROM	81/71/1
	6 AMPERES. VERIFY THAT THERE ARE NO SUSTA IPPLE SHOULD BE LESS THAN 100MV P-P.	INED OSCILLATIONS.	
	·		BU93BADG
	IT - SLOWLY INCREASE LOAD CURRENT UNTIL OU REASE TO LESS THAN 2 VOLTS AND 2 AMPS. TH		878
THAT THIS A	CTION OCCURS AT SHOULD BE 7 AMPS ± .5 AMP.	INCREASE LOAD	, m
RESISTANCE I	UNTIL VOLTAGE AND CURRENT RECOVER. APPLY AND DCOM, CURRENT SHOULD BE LESS THAN 2 A	SHORT CIRCUIT TO OUTPUT	-
OPEN SW1 FOR	R AT LEAST 10 SEC. CLOSE SW1. OUTPUT CUR	RENT SHOULD RISE TO	
AT LEAST RAT	FED FOR AT LEAST 1 SEC.		1, 1
4. PARALLEL - S	SET LOAD CURRENT TO 3 AMPERES. READ OUTPU	T VOLTAGE WITH	12 3
DIFFERENTIAI OPEN SWG.	L. CLOSE SW3. OUTPUT VOLTAGE SHOULD INCR	EASE APPROX, 20MV .	\$ 75.
•			17 th
5 CROWBAR - OF	PEN SW2, MONITOR OUTPUT VOLTAGE. CLOSE SW TO OV. OPEN SW4, OPEN SW1 THEN RECLOSE.	4 AND OUTPUT VOLTAGE	200
WILL BE 5,3v		COTTOT VOLTAGE	200
"FORM 6"			618
• •	SWITCHES OPEN; MAX, RESISTANCE ON VARIA	BLE LOAD.	7 - 7
			DL.8
BY MEANS OF	FIG. 1. CLOSE SW1. SET VOLTMETER READING R40 (ACCESSABLE FROM CARD FRONT).	TU 12 VOLTS ± 10MV	363
		TD 0 1110	252
2. LOAD REGULATION: CLOSE SW2. VARY LOAD FROM MINIMUM TO 6 AMPERES AND VERIFY THAT THE 12 VOLTS CHANGES LESS THAN 4 90ML WITH OSCILLOSCOPE		IO 6 AMPERES AND ITH OSCILLOSCOPE	
CONNECTED AC	ROSS V OUT (AC COUPLED, SOMY/DIV, 10MS/DI	V) VARY FROM MINIMUM	
RIPPLE SHOUL	JUPIER THAT THERE ARE NO SUSTAINED OSC DIBE LESS THAN LOWY P-P.	ILLATIONS, SUSTAINED	00:4:70
ADE BY	APPROVALS		PRINTS
SUES J. MCCOY	Light Control	68A999750	
71)au 12 1971	SALEM, VIRGINIA LOCAL	TION CONT ON SKEET 2 SHI	eo. :

GENERAL (%) ELECTRIC 68 A 9 9 9 7 5 0 CONT ON SHEET - 3 HEY NO. A TITLE TEST SPECIFICATIONS 68A999750 5,3V AND 12V, 6A OR 7A RECULATOR 1 C3601A250 Å, B OR C CONT ON SHEET 2 FIRST MADE FOR REVISIONS 3. CURRENT LIMIT - SLOWLY INCREASE LOAD CURRENT UNTIL OUTPUT VOLTAGE AND CURRENT DECREASE TO LESS THAN SV AND 2 AMPS. THE CURRENT LEVEL THAT THIS ACTION OCCURS AT SHOULD BE 7 AMPS + .5 AMP. INCREASE LOAD RESISTANCE UNTIL VOLTAGE AND CURRENT RECOVER. APPLY SHORT CIRCUIT TO OUTPUT BETWEEN P12 AND DCOM, CURRENT SHOULD BE LESS THAN 2 AMPERES AND VOLTAGE . 2V. OPEN SM1 FOR AT LEAST 10 SEC. CLOSE SW1. OUTPUT CURRENT SHOULD RISE TO AT LEAST RATED FOR AT LEAST 1 SEC. REMOVE SHORT CIRCUIT. 4. PARALLEL - SET LOAD CURRENT TO 3 AMPERES. READ OUTPUT VOLTAGE WITH DIFFERENTIAL, CLOSE SW3. OUTPUT VOLTAGE SHOULD INCREASE APPROX. +200HV. OPEN SW3. 5. CROWBAR - OPEN SW2, MONITOR OUTPUT VOLTAGE. CLOSE SW4 AND OUTPUT VOLTAGE SHOULD DROP TO 01. OPEN SW4, OPEN SW1, THEN RECLOSE. OUTPUT VOLTAGE WILL BE 12V AGAIN. FORM C 12V TESTS - ALL SWITCHES OPEN, MAX. RESISTANCE ON VARIABLE LOAD. 1. CONNECT PER FIG. 1. CLOSE SWI. SET VOLTMETER READING TO 12 VOLTS ± 10MV BY HEARS OF R40 (ACCESSABLE FROM CARD FRONT). 2. LOAD REGULATION, CLOSE SW2. VARY LOAD FROM MINIMUM TO 7 AMPERES AND VERIFY THAT THE 12 VOLTS CHANGE LESS THAN # 90MV, WITH OSCILLOSCOPE CONNECTED ACROSS V OUT (AC COUPLED, SOMV/DIV, 1045/DIV) VARY FROM MINIMUM TO AMPERES. VERYFY THAT THERE ARE NO SUSTAINED OSCELLATIONS. SUSTAINED P.REECE RIPPLE SHOULD BE LESS THAN TONY PUP. 3. CURRENT LIMIT - SLOWLEY INCREASE LOAD CURRENT UNTIL OUTPUT VOLTAGE AND CURRENT DECREASE TO LESS THAN 5V AND 2 AMPS. THE CURRENT LEVEL THAT THIS ACTION OCCURS AT SHOULE BE 7.5 ± .5 AMP. INCREASELOAD RESISTANCE UNTIL VOLTAGE AND CURRENT RECOVER, APPLY SHORT CIRCUIT TO OUTPUT BETWEEN P12 AND DOOM. CURRENT SHOULD BE LESS THAN 2 AMPERES AND VOLTAGE .2V OPEN SWI FOR AT LEAST 10 SEC. CLOSE SWI, OUTPUT CURRENT, SHOULD RISE TO AT LEAST RATED FOR AT LEAST 1 SEC. REMOVE SHORT CIRCUOT. 4. PARALLEL - SET LOAD CURRENT TO 3 AMPERES. READ OUTPUT VOLTAGE WITH N DIFFERENTIAL, CLOSE SW3. OUTPUT VOLTAGE SHOULD INCREASE APPROX. +200MV. OPEN SW3. DL88

PRINTS TC

D. J. MCCOY

SERVED

TO ALL DISTRY CONTROL

DIVIDED TO BENEET 3. SHIPD. 2

SALEM, VIRGINIA LECATION CONT ON SHEET 3. SHIPD. 2

WILL BE 12V AGAIN.

+

5. CROWBAR - OPEN SW2, MONITOR OUTPUT VOLTAGE, CLOSE SW4 AND OUTPUT VOLTAGE SHOULD DROP TO OV. OPEN SW4, OPEN SW1, THEN RECLOSE, OUTPUT VOLTAGE

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