



Cherokee International, LLC.

DWG A SIZE	DWG NO. 120251	REV. B
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POWER SUPPLY SPECIFICATION

MODEL NO: MQT154A1XXXX001A

DRAWING NO: 971532

REV: D

OUTPUT	NOTE 1	V1	V2	V3	V4	V5	V6
NOM. VOLTAGE	V	+5	3.3	-12 NOTE 4	+12		
SET TOLERANCE	V NOTE 1	5.14 TO 5.16	3.29 TO 3.33	-12.08 TO -12.12	-		
ADJ. RANGE	V	4.75 TO 5.25	3.0 TO 3.7	-11.5 TO -12.5	TRACKS V1		
MIN. CURRENT	A	2.6A	0	0	0.6		
MAX. CURRENT	A NOTE 3	26.0	8.0	1.0	6.0		
PEAK CURRENT	A	N/A	N/A	N/A	N/A		
PEAK DURATION	SEC	N/A	N/A	N/A	N/A		
REG LOAD, LINE, CROSS		4.85 TO 5.25	3.20 TO 3.40	-11.40 TO -12.60	11.40 TO 12.60		
PARD 20MHZ BW	mV P/P NOTE 5	50	50	120	120		
CURRENT LIMIT	A NOTE 2	27 TO 38	9 TO 14	1.2 TO 5	6.5 TO 15		
OVP SETTING	V	6.0 TO TO 6.5	3.96 TO TO 4.29	N/A N/A	N/A N/A		
REMOTE SENSE	NOTE 6 & 7	YES	YES	N/A	N/A		
UVP SETTING	+/-V	N/A	N/A	N/A	N/A		
REVERSE RATING	A	26	8	1	8		
TRANSIENT RESPONSE 25% LOAD STEP (1A / Usec)	+/-	0.15	0.099	0.36	0.6		

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SPECIFIED OUTPUT WATTAGE

150 WATTS

TEMPERATURE COEFFICIENT

200

THERMAL SHUT DOWN

NO

REMOTE ON/OFF POLARITY

OPEN OR PULLED UP FOR P.S.U. ON

SENSE FOR V1 AND V2

J4

TEMPERATURE RANGE

0

DEGREES C TO

50

DEGREES C

TEMPERATURE COEFFICIENT

0.02%

PER DEGREE C

ENVIRONMENT: CONVECTION

N/A

FORCED AIR: FPM

N/A

CFM

25MIN

FOR

150

WATTS

FAN OUTPUT

N/A

A

N/A

VOLTS

EMI: FCC LEVEL A B

B

CISPRR, VCCI

CISPRR

B

SAFETY: UL: 478, 1012, 1950

UL 1950

CSA: 22.2M, 1982, 234, 1402

CSA 234 & 950

IEC: 380, 435, 950,

TUV 950

VDE: 0840, 0806

DESIGNED TO MEET EN60950

OTHER:

N/A

MECHANICAL OUTLINE : STANDARD

YES

P/N : 120251

SPECIAL

N/A

SPECIAL REQUIREMENTS:

NOTES:

1. LOAD O/P TO V1=2.6A, V2=0A, V3=0A, V4=4A FOR VOLTAGE SETTING.
2. TO CHECK CURRENT LIMIT O/P SHOULD BE LOADED TO MAX LOAD V1=15A, V2=5A, V3=0.5A, V4=1A.
3. MAX. COMBINED CURRENT OF OUTPUTS V1 AND V2 SHOULD BE LESS THAN 25A.
4. V3 IS AN ISOLATED OUTPUT
5. CONNECT 0.01uf CERAMIC AND 10uf TANTALUM CAPACITOR AT THE OUTPUT CONNECTOR WHILE CHECKING PARD
6. WHILE USING REMOTE SENSE THE GROUND FOR 12V AND 5V SHOULD BE THE SAME POINT OR THE SAME GND WIRES CONNECTIONS.
7. THE O/P CONNECTOR HARNESS HAS 18AWG MULTI STRAND WIRES OF 1 1/2 FT LENGTH AND THE SENSE HARNESS IS ALSO 22 AWG AND 1 1/2FT.
8. THE POWER SUPPLY MUST OPERATE AT 68 VAC (MIN) FOR A PERIOD OF 0.5 SECONDS @ 150 WATTS WITH NO FUNCTIONAL ERRORS. THE POWER FAIL SHOULD BE T.T.L HIGH AND THE OUTPUTS SHOULD REMAIN WITHIN REGULATION.