

Model:GTM9200P350VV-X.X-S

May 10, 2025

GTM9200P350VV-X.X-S

Information

Model Number	GTM9200P350VV-X.X-S
Description	GTM9200P350VV-X.X-S, ICT / ITE / Medical Power Supply, Open Frame/Internal, Regulated Switchmode AC-DC Power Supply AC Adaptor, , Input Rating: 100-240V~, 50-60 Hz, Molex 26-62-4051 5 Position Header Pin 1: earth, Pin 3:line, Pin 5:neutral, Pin 2 & 4 removed, Output Rating: 350 Watts, Power rating with convection cooling (W) , 5.0-48.0V in 0.1V increments, Approvals: Book 60601; cRUus; Ukraine; RoHS; WEEE; GOST-R; cRUus; China RoHS; CE;
Model Picture	
Agency Documents	http://www.globtek.info/certs/GT(M)9200P/
CE EC-Declaration	https://www.globtek.com/pdf/ec_declaration/a0O30000007P7ZREA0
RoHS/RoHS2 Declaration	https://www.globtek.com/pdf/rohs_cert/a0O30000007P7ZREA0
REACH Declaration	https://www.globtek.com/pdf/iso_certificates/REACH.pdf
Conflict Minerals Declaration	https://www.globtek.com/pdf/conflict-minerals.pdf

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MODEL PARAMETERS

Type	Open Frame/Internal
Technology	Regulated Switchmode AC-DC Power Supply AC Adaptor
Category	ICT / ITE / Medical Power Supply
Input Voltage	100-240V~, 50-60 Hz
I/P Amps (A)	5.0A Max
Wattage (W)	350.0
Vout Range (V)	5.0-48.0
Efficiency Level	N/A
Ingress Protection	
Size (mm)	198.4*107.2*46.5

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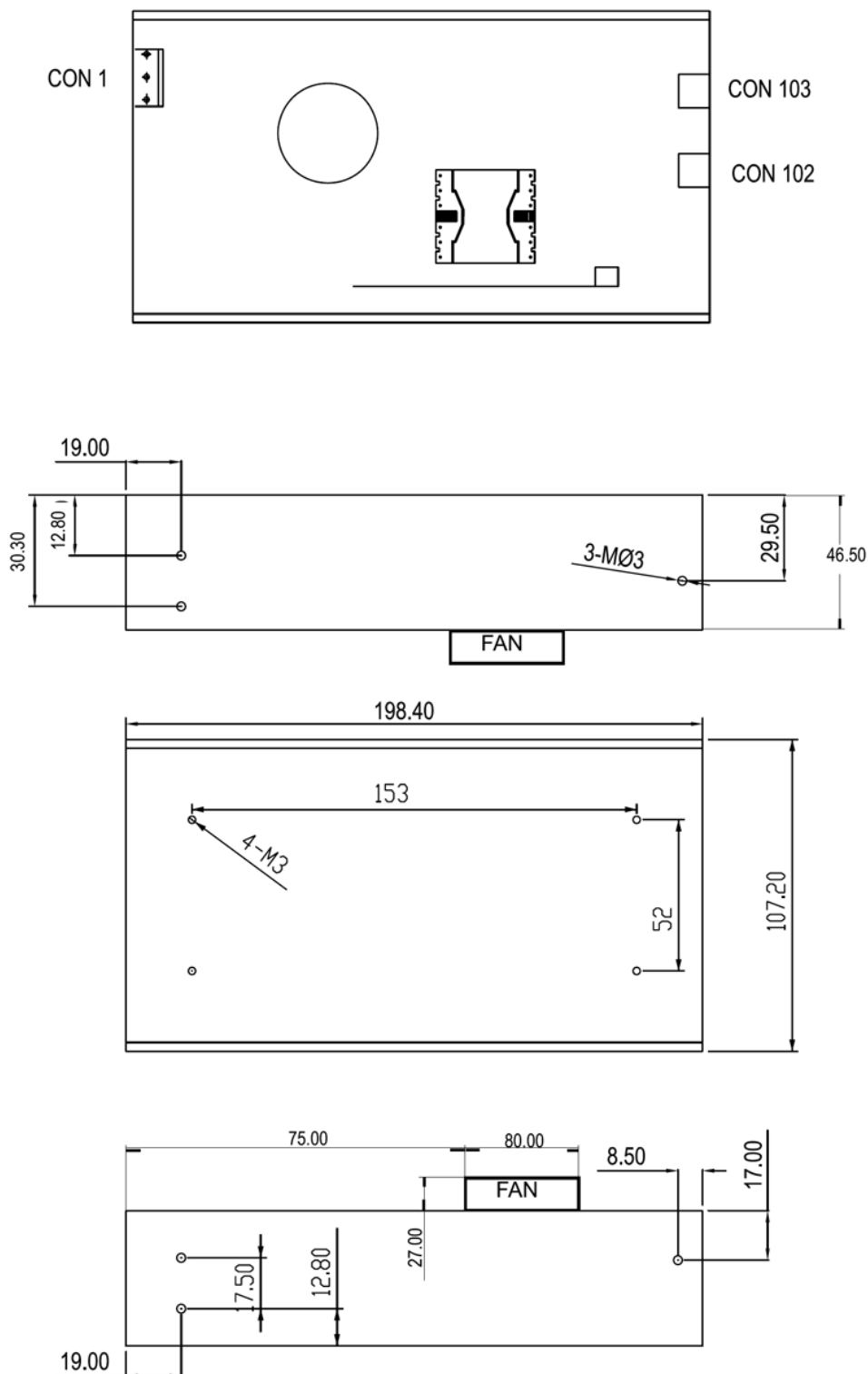
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ENCLOSURE



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NOTES:

1. MEDICAL VERSION IS DESIGNED NOT TO BE USED IN SYSTEM WITH DIRECT PATIENT CONTACT.
2. ALL MEASUREMENTS ARE MADE DIRECTLY AT THE TERMINALS OF THE SUPPLY.
3. OUTPUT RIPPLE AND SPIKE ARE MEASURED DIRECTLY AT THE OUTPUT TERMINALS OF THE POWER SUPPLY WITH 10 μ F TANTALUM AND 0.1 μ F CERAMIC CAPACITORS CONNECTED IN PARALLEL. PEAK-TO-PEAK METERING EQUIPMENT MUST HAVE A 20 MHz FREQUENCY RESPONSE WITH PROBES AND CABLES THAT MAINTAIN A FREQUENCY RESPONSE OF 20Hz TO 20MHz. OUTPUT RIPPLE SPECS OF 3.3V, 5V AND 7.5V MODELS IS 3% OF RESPECTIVE OUTPUT VOLTAGE.
4. CONDUCTED AND RADIATED EMI WERE PERFORMED WITH RESISTIVE LOAD SET TO FULL. PSU AND RESISTIVE LOAD WERE MOUNTED TOGETHER IN 30 x 30 x 3 mm ALUMINUM PLATE.
5. REMOTE SENSE WIRE SHOULD BE TWISTED TOGETHER WHEN USED.
6. ALL MEASUREMENTS ARE MADE AT 25°C AMBIENT TEMPERATURE AND ARE TYPICAL.
7. MOUNTING MAXIMUM INSERTION DEPTH IS 3MM.
8. GLOBTEK PRODUCTS ARE NOT AUTHORIZED TO BE USED AS MISSION CRITICAL COMPONENTS WITHOUT PRIOR WRITTEN APPROVAL FROM THE CEO OF GLOBTEK INC.
9. SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.

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RATING TABLE

Model Number	Voltage	Amps(A)	Watts(W)	RFQ
GTM9200P3505-S	5 V	70	350.00	RFQ
GTM9200P3507.5-1.5-S	6 V	46.67	280.02	RFQ
GTM9200P3507.5-S	7.5 V	46.67	350.03	RFQ
GTM9200P3509-S	9 V	38.89	350.01	RFQ
GTM9200P35012-S	12 V	29.17	350.04	RFQ
GTM9200P35015-S	15 V	23.33	349.95	RFQ
GTM9200P35018-S	18 V	19.44	349.92	RFQ
GTM9200P35024-S	24 V	14.58	349.92	RFQ
GTM9200P35036-S	36 V	9.72	349.92	RFQ
GTM9200P35048-S	48 V	7.29	349.92	RFQ

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SPECIFICATIONS

FEATURES

- UNIVERSAL INPUT WITH ACTIVE POWER FACTOR CORRECTION
- MEDICAL AND ITE GRADE VERSIONS
- EN55022 CLASS B COMPLIANT
- EN55011 CLASS B COMPLIANT
- EN61000-4-2, -3, -4, -5, -6, -11 COMPLIANT
- BUILT-IN EMI FILTER
- OVERVOLTAGE PROTECTION
- OVERLOAD PROTECTION
- THERMAL OVERLOAD PROTECTION
- SINGLE OUTPUT WITH FAN COVER
- COMPACT 4.0" x 8.0" x 2.0" SIZE IN A U-CHANNEL

INPUT

- 1.INPUT VOLTAGE: Specified 90-264 Vac, Nameplate rated: 100-240Vac
- 2.INPUT FREQUENCY: Specified 47-63 Hz, Nameplate rated 50-60Hz
- 3.INPUT CURRENT:< 5A RMS @ 90VAC
- 4.INRUSH CURRENT: 40A TYPICAL, COLD START @ 25°C, 115VAC INPUT
- 5.EFFICIENCY:80% TYPICAL AT FULL LOAD
- 6.POWER FACTOR: 0.99 TYPICAL
- 7.TURN-ON DELAY: 2 SECOND TYPICAL @ 115VAC NOMINAL LINE
- 8.INPUT LINE PROTECTION: MOV TRANSIENT PROTECTED. INPUT LINE FUSE PROVIDED ON-BOARD
- 9.SOFT START:STANDARD ON ALL MODELS

OUTPUT

MAXIMUM POWER: 350WATTS, MAXIMUM
LOAD REGULATION: $\pm 2\%$ MEASURED AT THE CONNECTOR SIDE
LINE REGULATION: $\pm 0.5\%$ MEASURED AT THE CONNECTOR SIDE
HIGH FREQUENCY RIPPLE: 2% OF OUTPUT VOLTAGE, PEAK TO PEAK
TURN ON/OFF OVERSHOOT: 5% MAXIMUM, 1ms RECOVERY TIME
HOLD-UP TIME: 20 ms @ 350W LOAD, 115VAC NOMINAL LINE
TRANSIENT RESPONSE: 1ms RECOVERY TO WITHIN 1% OF THE REGULATION BAND WITH
NO MORE THAN 5% OUTPUT VOLTAGE DEVIATION @ 25% LOAD STEP

OVERLOAD PROTECTION: PROTECTED FOLDBACK METHOD
SHORT CIRCUIT: FOLDBACK, AUTORECOVER UPON REMOVAL OF SHORT
OVERVOLTAGE: 10- 50% ABOVE NOMINAL OUTPUT, LATCHED, NEED AC CYCLING TO RESTORE OUTPUT
INDICATOR:GREEN LED FOR OUTPUT PRESENCE

ENVIRONMENTAL

TEMPERATURE COEFFICIENT: $\pm 0.02\%$ PER °C, TYPICAL
OPERATING TEMPERATURE: 0° TO 50°C
STORAGE TEMPERATURE: -40° TO 85°C
RELATIVE HUMIDITY: OPERATING; 0-90% NON-CONDENSING
ALTITUDE: UP TO 10000 FEET

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RANDOM VIBRATION/TRANSIENT DROP: MIL-STD 810E
MTBF: 200,000 HOURS @ 25° AMBIENT TEMPERATURE
ROHS 2: COMPLIES WITH EU 2011/65/EU AND CHINA SJ/T 11363-2006

SAFETY

HIPOT (PRI-SEC): 5656 VDC FOR MEDICAL VERSION
EARTH LEAKAGE : < 0.3mA @ 50/60Hz, 264 VAC INPUT

APPROVAL

MEDICAL VERSION: UL60601-1 3-edition, CUL TO 22.2 NO. 60601-1
EMI: EN55022 CLASS B AND FCC PART 15, TESTED WITH RESISTIVE LOAD.
CE MARK: EN61000-3-2, EN61000-3-3 AND EN50082-1 INCLUDING EN61000-4-2 , EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-1

ENCLOSURE

1. Size: 198*107.2*46.5 mm +/- 1.0
2. Markings: Label and/or Pad Printed and/or Molded into Case
3. LED: Standard Green color to indicate power out (other colors available)

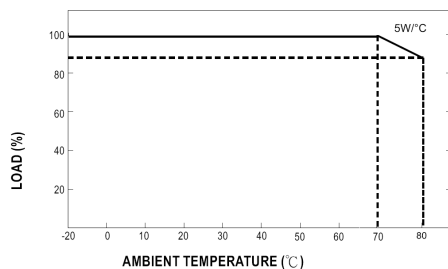
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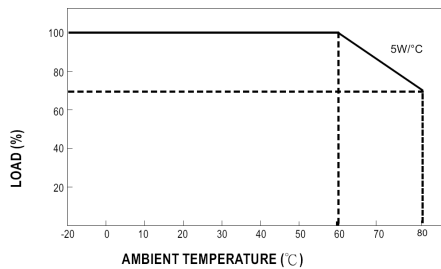
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DERATING CURVE

MODELS WITH OUTPUT $\geq 12V$



MODELS WITH OUTPUT $< 12V$



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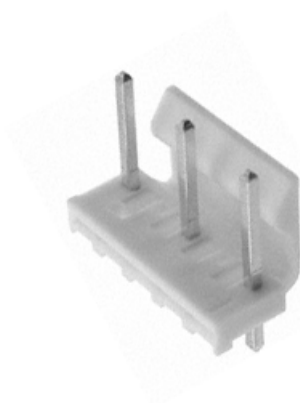
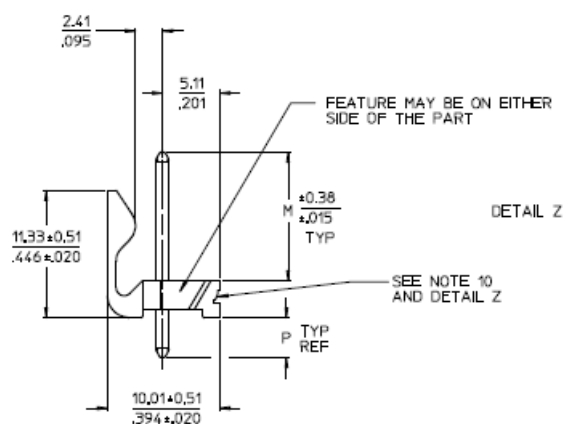
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INPUT CONFIGURATION

Description

Molex 26-62-4051 5 Position Header Pin 1: earth, Pin 3:line, Pin 5:neutral, Pin 2 & 4 removed



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Approvals

Logo	Description
	60601-1 3rd Operating Instructions
	CE Mark: tested to comply with EN 60601-1-2:2015 Medical electrical equipment Part 1-2: - Mark is on the label or Molded in the case
	CHINA SJ/T 11364-2014, China RoHS Chart: http://www.globtek.com/pdf/F-GT-DJD-8.4.1-006%20China%20RoHS%20Declaration%205-20-22.pdf
	cRUus Registered E170507 CSA C22.2 No. 60950-1 2nd Ed. (up to 30V)
	cRUus UL Recognized Component E172861 3rd Edition w-RM ANSI-AAMI ES60601-1 (2005 + C1:09 + A2:10) and CAN-CSA-C22.2 No. 60601-1 (2008)
	GOST-R mark for Russia(Document: http://www.globtek.com/html/iso_certificates/GT_GOST-R.pdf). 03/15/2015. Due to lack of demand, GlobTek will not be renewing it's GOST certification. Please contact your sales engineer for pricing on EAC.
	Protective Earth (ground)
	Indoor Use Only - Mark is on the label or Molded in the case
RoHS	Specifications of directive 2011/65/EU Annex VI (ROHS-2) with amendment 2015/863-EU (ROHS-3) http://www.ce-mark.com/Rohs%20final.pdf
	Ukraine UKRSepro (Document: www.globtek.com/html/iso_certificates/GT_Ukraine.pdf)
	WEEE: Complies with EU 2012/19/EU (http://ec.europa.eu/environment/waste/weee/index_en.htm) Mark is on the label or Molded in the case

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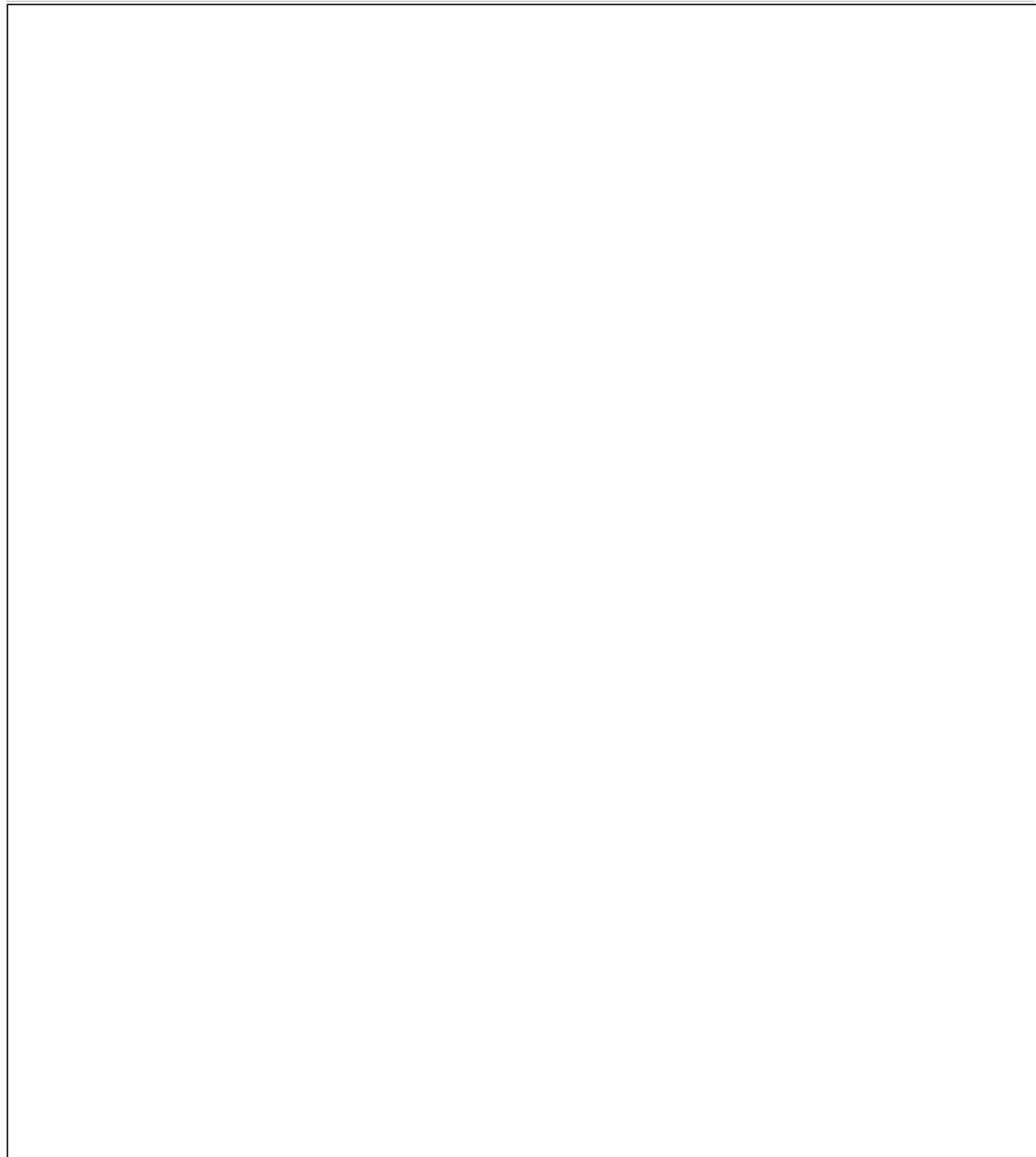
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