

C H E R O K E E I N T E R N A T I O N A L , I N C .

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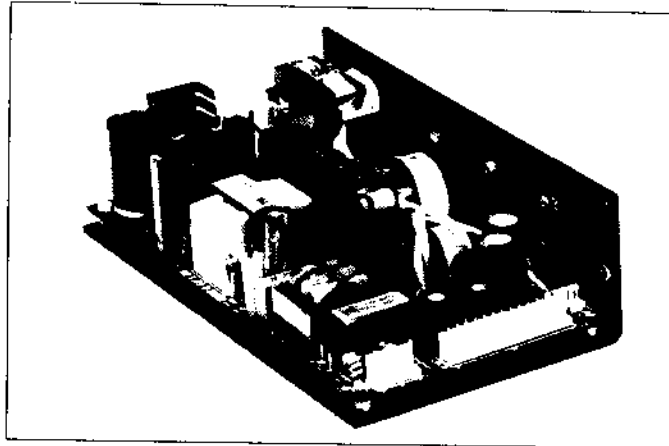
PRODUCT SPECIFICATION

QT9 Series

Multiple Output Switching Power Supplies

Features

- * UL Recognized to UL 1012 and 478
- * CSA Certified to C 22.2 No. 220 - M1986 and EB1402+
- * TUV Licensed to IEC 380 and VDE 0806 Class 1 SELV+
- * Fully compliant with FCC and VDE (Level A) standards for EMI
- * Accommodates high-peak disk drive requirements
- * 0°-50°C operating ambient with convection cooling only.



- * AC input provisions:
 - 90-132/180-264 VAC, 47-63Hz
 - jumper relocation for VAC range selection
 - input surge current limited
 - brown out protected
- * DC output provisions:
 - complete overload protected
 - overvoltage protected
 - reverse voltage protected
 - low noise outputs

125/150 Watts Up to 3 Outputs

Available Outputs

Standard Output Voltage Combination	Output 1			Output 2			Output 3		
	Volts	Rated Amps	Peak Amps	Volts	Rated Amps	Peak Amps	Volts	Rated Amps	Peak Amps
A	5	20.0	25.0	12	6.0	10	12	4.5	6
B	5	20.0	25.0	12	6.0	10	5	4.5	6
C	5	20.0	25.0	15	6.0	10	15	4.5	6
D	5	20.0	25.0	24	4.0	5	12	4.5	6

Total (sum) of rated DC output power, maximum:
 Convection cooling only 125 Watts
 Forced-air cooling (25 CFM) 150 Watts
 Peak power (10 sec) 150 Watts

* Other output combinations are also available; consult factory
 + Most models; consult factory



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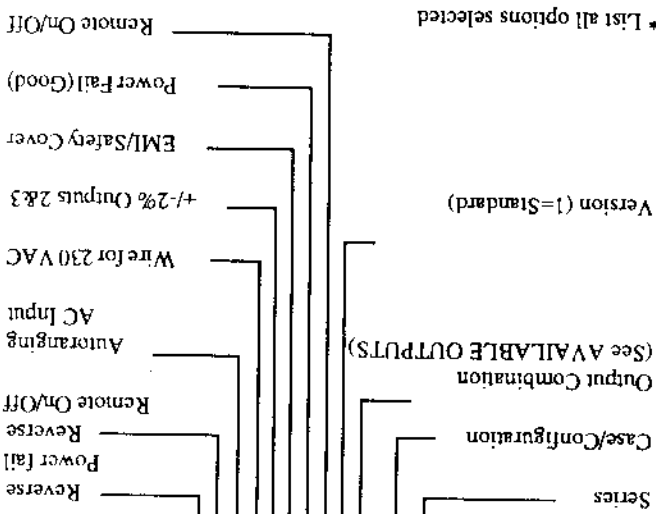
QT9 Series

Outline/Mounting/Interface

Ordering Information

Options*

QT9-A1ABDFEVR



All Power Supplies are warranted to be free of defects in materials and workmanship for a period of one year.

Input-Output-Option TBD

Specifications

AC Input	Normal: 115/230 VAC, 47-63Hz Range: 90-132/180-264 VAC; jumper selectable
DC Outputs	Nominal: See AVAILABLE OUTPUTS table Range: All outputs adjustable +/-5%
Regulation	Line: +/-0.25% all outputs, full AC input range Load: +/-0.25% for Outputs 1 and 2, +/-1% for Output 3; for >=20% loading of Output 1 and zero to full loading of other Outputs
Ripple/Noise	Sum: 1% Pk-Pk, all outputs
Overshoot & Undershoot	Deviation: 2% for 25% load change at 5A/usec Response: 200 usec to 1% deviation, all outputs turn-on or turn off
Temperature Coefficient	+/-0.02%/°C, all outputs
Temperature Range	Operation: 0° to 50°C at rated output power Derate linearly to 50% power at 70°C Storage: -55°C to 85°C
Efficiency	75% typical
Overload Protection	Output 1: current limited by primary current level Output 2 and 3: current limited by post regulator characteristics
Overvoltage Protection	Output 1: output level > 6.25V +/-5% causes shutdown (AC input cycle for restart) Output 2 and 3: Post Regulators Have Quasi-Regulated Inputs
Weight	2 lbs, 10 oz.
Shock/Vibration	Per MIL-STD-810C Vibration: Method 514.2 Procedures X, XI Shock: Method 516.2, Procedures I, III Shock (Transit): Method 516.2 Procedure II
Specifications are subject to change without notice.	
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