

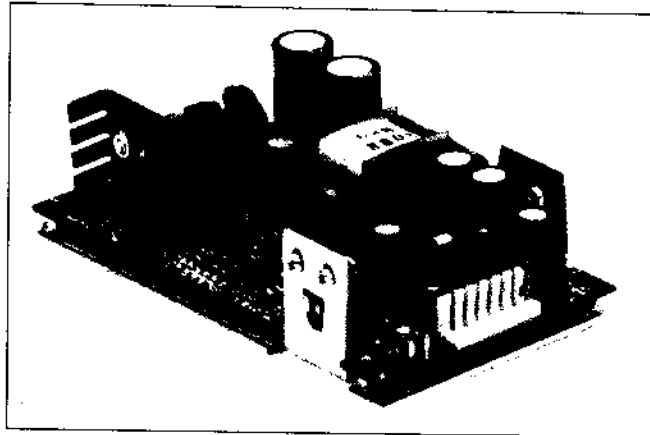
C H E R O K E E I N T E R N A T I O N A L , I N C .
 A SUBSIDIARY OF CORE INDUSTRIES
P R O D U C T S P E C I F I C A T I O N

QF7 Series

Multiple Output Switching Power Supplies

Features

- * UL Recognized to UL 1012, 478, 1950'
- * CSA Certified to C 22.2 No. 220 - M1986 and EB1402+
- * TUV Licensed to IEC 380 and 950 and VDE 0806 Class 1 SELV+
- * Fully compliant with FCC and VDE (Level A) standards for EMI
- * 0°-50°C operating ambient with convection cooling only.



- * AC input provisions:
 - 90-264 VAC (wide range input)
 - 47-63Hz
 - input surge current limited
 - brown out protected
- * DC output provisions:
 - complete overload protected
 - overvoltage protected
 - reverse voltage protected
 - low noise output

35/43 Watts Up to 3 Outputs

Available Outputs

Standard Output Voltage Combination									
	Volts	Rated Amps	Peak Amps	Volts	Rated Amps	Peak Amps	Volts	Rated Amps	Peak Amps
A	+5	5.0	6.0	+12	1.0	1.5	-12	0.5	1.0
B	+5	5.0	6.0	+15	1.0	1.5	-15	0.5	1.0
C	+5	5.0	6.0	+12	1.0	1.5	-5	0.5	1.0
D	+5	5.0	6.0	+24	1.0	1.5	-12	0.5	1.0
E	+5	5.0	6.0	+24	1.0	1.5	-5	0.5	1.0

Total (sum) of rated DC output power, maximum:

Convection cooling only 35 Watts
 Forced-air cooling (25 CFM) 43 Watts
 Peak power (10 sec) 43 Watts

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



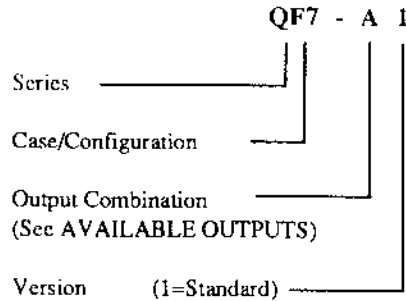
2841 Dow Ave., Tustin, CA 92680-7211 • (714) 544-6665 • FAX (714) 838-4742 • TWX (714) 510-101-0493

QF7 Series

Outline/Mounting/Interface



Ordering Information



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

Input-Output Connectors TBD

Specifications

AC Input	Nominal: 115/230 VAC, 47-63Hz Range: 90-264 VAC wide range	Reverse Voltage Protection	100% of rated current outputs
DC Outputs	Nominal: See AVAILABLE OUTPUTS table Range: Output 1 adjustable +/-5% Outputs 2 & 3 fixed @ +/-5%	Hold-up Time	20 ms after loss of nominal AC Input, for specified load regulation
Regulation	Line: +/-0.5%, all outputs, full AC input range Load: +/-1.0% for All Outputs; for >=10% loading of Output 1 and zero to full loading of other Outputs	In-rush Current	16A Pk/115 VAC, 35A Pk/230 VAC Cold start
Ripple/Noise	Sum: 1% Pk-Pk, all outputs	Fusing (F-1)	2A, 5MF for 115/230 VAC
Overshoot & Undershoot	Deviation: 2% for 25% load change at 5A/usec Response: 200 usec to 1% deviation, all outputs turn-on or turn-off	Shock/Vibration	Per MIL-STD-810C Vibration: Method 514.2 Procedures X, X1 Shock: Method 516.2, Procedures I, III Shock (Transit): Method 516.2 Procedure II
Temperature Coefficient	+/-0.02%/°C, all outputs	Weight	11.0 oz
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	Specifications are subject to change without notice.	
Efficiency	65% typical		
Overload Protection	Output 1: current limited by primary current level Outputs 2 and 3: current limited by post regulator characteristics		
Overvoltage Protection	Output 1: output level > 6.25V +/-5% causes shutdown		

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