

CHEROKEE INTERNATIONAL, INC.

A SUBSIDIARY OF CORE INDUSTRIES

PRODUCT SPECIFICATION

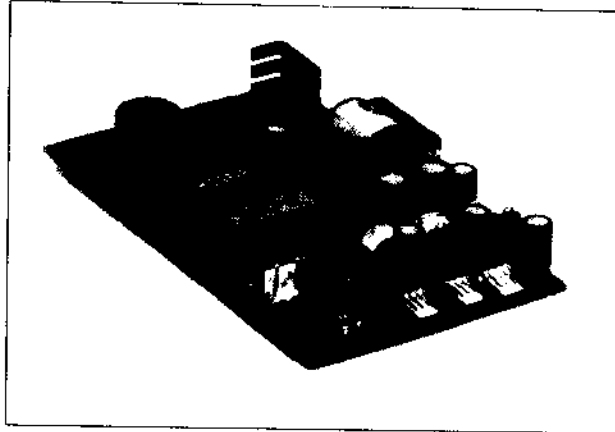
QF11 Series

Multiple Output Switching Power Supplies

AC Input Provision

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 B) 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 outputs
- * Low profile.

40 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	2.5		+12	2.0		-12	0.3	
B	+5	2.5		+15	2.0		-15	0.3	
C	+5	2.5		+12	2.0		-5	0.3	

Total (sum) of rated DC output power, maximum:
Convection cooling only 40 Watts

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

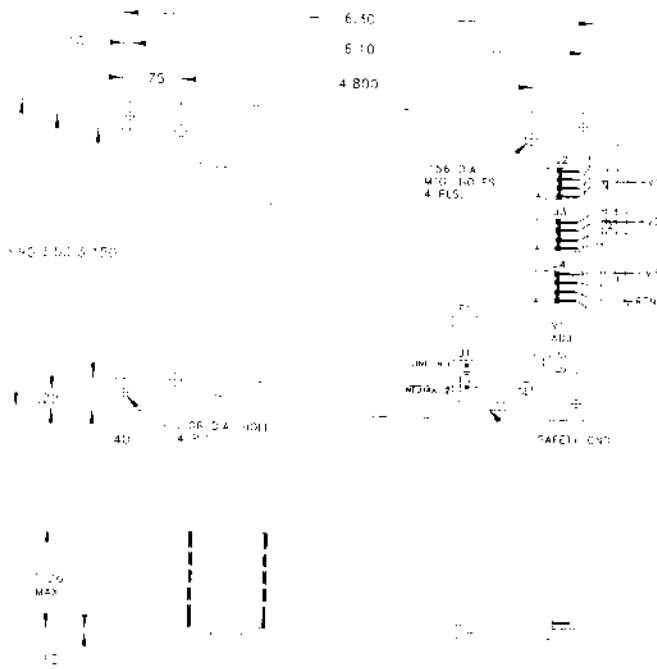


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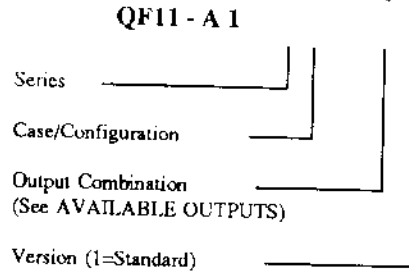
QF11 Series

Outline/Mounting/Interface

Ordering Information



Options*



* List all options selected

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	Efficiency	65% typical																				
DC Outputs	Nominal: See AVAILABLE OUTPUTS table Range: Output 1 adjustable +/-5% Output 2 tracks output 1 and Output 3 fixed at +25% -8.5%	Overload Protection	All outputs protected through Short Circuit conditions, Automatic Recovery																				
Output Tolerances	<table border="1"> <thead> <tr> <th>Output</th> <th>Min I</th> <th>Max I</th> <th>Tolerance</th> </tr> </thead> <tbody> <tr> <td>Output 1 (+5V)</td> <td>0.45A</td> <td>2.5A</td> <td>+/-5%</td> </tr> <tr> <td>Output 2 (+12V)</td> <td>0.3A</td> <td>2.0A</td> <td>+/-5%</td> </tr> <tr> <td>(+15V)</td> <td>0.3A</td> <td>2.0A</td> <td>+/-5%</td> </tr> <tr> <td>Output 3 All</td> <td>0</td> <td>0.3A</td> <td>+25% -8.5%</td> </tr> </tbody> </table> <p>* Tolerance includes load regulation, cross regulation, centering, line regulation and temperature regulation.</p>	Output	Min I	Max I	Tolerance	Output 1 (+5V)	0.45A	2.5A	+/-5%	Output 2 (+12V)	0.3A	2.0A	+/-5%	(+15V)	0.3A	2.0A	+/-5%	Output 3 All	0	0.3A	+25% -8.5%	Overvoltage Protection	Output 1: output level Exceeding 6.25V +/- 5%. Causes Shutdown, Automatic Recovery.
Output	Min I	Max I	Tolerance																				
Output 1 (+5V)	0.45A	2.5A	+/-5%																				
Output 2 (+12V)	0.3A	2.0A	+/-5%																				
(+15V)	0.3A	2.0A	+/-5%																				
Output 3 All	0	0.3A	+25% -8.5%																				
Ripple/Noise	Output 1 1.00% Pk-Pk Output 2 & 3 1.25% Pk-Pk	Reverse Voltage Protection	100% of rated current 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	Hold-up Time	8 ms after loss of nominal AC Input, for specified load regulation																				
Temperature Coefficient	+/-0.02%/°C, all outputs	In-rush Current	30A Pk, cold start																				
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	Fusing (F-1)	2A, 5MF for 115/230 VAC																				
		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																				
		Weight	9 oz. Specifications are subject to change without notice.																				

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