

Specification CCR1500H27V



Key Features

- Form, fit and function replacement for Farnell 160 Series 27V rectifiers, F2705 & F2905
- 180-265VAC operation
- Connections and signals as original F2905SC or SCC
- Complete transparency to end user
- Microprocessor control allows replication of most variants

Specifications

Input specification

Input voltage Range	176-264V AC
Frequency	47 to 440Hz.
Inrush current	30A peak max.
Efficiency	Typically 85% at full load.
Power factor	Meets EN61000-3-2.
EMI-filter standard	CISPR 22, EN55022 "B".
Radiated EMI	CISPR 22, EN55022 "B".
Harmonic Distortion	Meets EN61000-3-2.
Isolation	Meets EN60950.

Output specification

Overall regulation	0.1% maximum.
Ripple pk-pk (20MHz bandwidth)	50mV pk-pk maximum
Current limit	56A minimum. Foldback below 20V.
Protection	Protected for continuous short circuit. Automatic recovery on removal of short.
Overvoltage protection	110-120% of voltage rating
Remote sense	Remote sense available. Local sense links fitted as standard.
Voltage Programming	Available as required on variants to match original F2905
Minimum load	Not required
Indicators	Input healthy, Output Healthy, Current Limit/Shutdown

General

Cooling	Convection cooled
Weight	8kg estimated

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Mechanical Outline

