



DC-DC Converter
HS Sealed Series

Model
711 HS

Design Features

- Wide Range Input Voltage
- High Efficiency Design
- Hi Ingress Rating, IP 676
- Adjustable Output Voltage
- Optional Remote Output Voltage Sensing
- Optional Remote On/Off Switching
- Low Input Voltage Cutout
- High Input Voltage Cutout
- Electronically Current Limited
- Thermally Protected
- Low No Load Power Consumption
- I/O Bayonet Quick Connection

MODEL NO.		711 HS
INPUT	NOMINAL INPUT VOLTAGE RANGE	12 VDC to 28 VDC
	INPUT VOLTAGE RANGE	10.5 to 32.0 (+, - 0.5) VDC
	INPUT CURRENT AT 40A OUTPUT CURRENT	58A @ 12.0 Vin; 13.0 Vout
	INPUT CURRENT AT NO LOAD	0.48 A to 0.95 A, over entire input voltage range
OUTPUT	OUTPUT VOLTAGE NOMINAL	13.0 VDC (factory adjusted)
	OUTPUT VOLTAGE ADJUSTMENT RANGE	9.5 VDC to 18V VDC (internally accessible to customer)
	OUTPUT LOAD REGULATION	250 mV (without remote sensing) 50 mV (with remote sensing)
	OUTPUT VOLTAGE REGULATION	<2%
	OUTPUT RIPPLE	50 mV RMS at maximum load (measured at 25C)
	MAXIMUM CONTINUOUS OUTPUT POWER	700 W
	POWER SURGE	800 W
	MAXIMUM LOAD CURRENT	42 ADC, for output voltage setting 9.5 VDC - 18.0 VDC
PROTECTION	EFFICIENCY	82% @ 50% max. power, 75% @ max. power
	LOW INPUT VOLTAGE SHUTDOWN	< 10.5 +/-0.3 VDC
	HIGH INPUT VOLTAGE SHUTDOWN	> 32.0 +/- 1.0 VDC
	OVERLOAD SHUTDOWN	Set to shut off at 110% of maximum current with continuous automatic retry
	OVER TEMPERATURE SHUTDOWN	Via internal thermostat, self resetting
CONNECTIONS	COOLING	By conduction through base plate and convection cooling
	FUSING	Customer accessible
	INPUT CONNECTION	Via 6 pin Male Bayonet Connector
	OUTPUT CONNECTION	Via 4 pin Female Bayonet Connector
	REMOTE TURN ON	Via pin to -ve on input connector, may be disabled via internal jumper
GENERAL	REMOTE SENSE	Via 2 pins on the output connector usage is optional
	OPERATING TEMPERATURE RANGE	-40C to 70C, 100% loading
	OPERATING HUMIDITY	100%
	INGRESS RATING	IP 676
	MOUNTING SLOT CENTERS (in./cm.)	10.0 x 7.3 / 25.4 x 18.5
	DIMENSIONS, (in./cm.) (L x W x H)	15.5 x 8.0 x 2.9 / 39.4 x 20.3 x 7.4
HOUSING MATERIAL	All Aluminum	
WEIGHT, (lb./kg.)	18 / 8.2	

NOTE: Specifications are subject to change without notice.

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