

DC-DC Convertor Module (Isolated)

Model FH0095DI / FH0130DI

Product Feature

- ◆ The output voltage can be adjusted up to 0.8-1.35V/1.3-2.5V by the VID (5bit) signal from the outside
- ◆ The output Voltage can be adjusted by +15%,-15% by using TRIM terminal
- ◆ Isolation : 2250VDC Input to Output
- ◆ High efficiency by Current doubler synchronous rectification
- ◆ Light and compact, heat-sink-less module
- ◆ High reliability - no aluminum and tantalum electrolytic capacitors
- ◆ Built-in remote ON/OFF
- ◆ Over voltage, over current & thermal protection
- ◆ Output voltage remote sense
- ◆ The parallel runs can be done up to ten
- ◆ UL60950-1, CSA60950-1, IEC60950-1 and EN60950-1
- ◆ RoHS compliant



Input Characteristics		
Input Voltage Range	DC48V (Nominal) /DC43.2V ~53.8V	
Input Under Voltage Range	DC31V~36V	Turn on Voltage
	DC30.4V~35.4V	Turn off Voltage
Efficiency @ Ta=25degC Vin=48V	FH0095DI	FH0130DI
	Typ. 81% @ Vout=0.8V, Iout=70A	Typ. 83% @ Vout=1.3V, Iout=60A
	Typ. 82% @ Vout=1.0V, Iout=70A	Typ. 85% @ Vout=1.8V, Iout=60A
	Typ. 84% @ Vout=1.35V, Iout=70A	Typ. 87% @ Vout=2.5V, Iout=60A
Output Characteristics		
Model name	FH0095DI	FH0130DI
Output Configuration	DC0.8V~1.35V (external digital signal)	DC1.3V~2.5V (external digital signal)
Voltage Adjust Range	+1.3% / -1.3%	+1.3% / -1.3%
Output Current	70A	60A
Static Voltage Regulation	+1.3% / -1.3%	+1.3% / -1.3%
Ripple & Noise	32mVp-p	32mVp-p
Current Limit Protection	115%-150%	115%-150%
Over Voltage Protection	VIDx1.3	VIDx1.3
Output Power	95W @ Vout 1.35V	130W @ Vout 2.5V
Environmental		
Operating Temperature	-10°C to 70°C	
Relative humidity	0 to 85%	
Physical Specifications		
Dimensions	3.59 x 1.63 x 0.40" / 91.1 x 41.3 x 10mm	