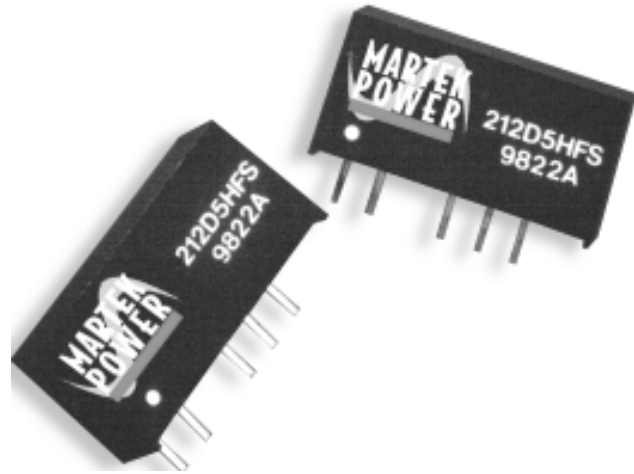


# 200HFS series

2 watts



## Key Features:

- High Efficiency (to 85%)
- 1000 VDC Input/Output Isolation
- Single and dual outputs

## Ideally Suited For:

- Telecom equipment
- Mixed analog/digital subsystems
- Data Communications

## Input Characteristics

Input Voltage Range:	±10% of Nominal, <i>See Available Models Chart</i>
Input Filtering:	Internal Capacitor
Efficiency:	<i>See Available Models Chart</i>

## Output Characteristics

Output Voltage/Current	<i>See Available Models Chart</i>
Output Voltage Accuracy:	+/-3% Max, +/-1% typical
Voltage Balance (dual outputs):	+/-1% Max, +/-0.1% typical (Equal Loads)
Ripple and Noise:	100mV typical at 20MHZ bandwidth
Over line/load/temp	200mV pk-pk max at 20MHZ bandwidth
Line Regulation:	+/-1.5%/Vin, max
Load Regulation:	<i>See Available Models Chart</i>
Temperature Coefficient @ FL:	+/-0.02%/°C
Short Circuit Duration:	0.5 second Max.

## Environmental Characteristics

Operating Temperature Range:	-40°C to +70°C, ambient
Storage Temperature Range:	-55°C to +110°C ambient
Humidity:	Up to 95% Non-condensing
Cooling:	Free-air Convection
Reliability (MTBF per Mil-HDBK-217):	>4,000,000 hours, +25°C, Ground Benign

## General Characteristics

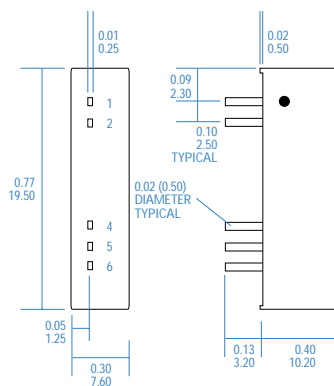
Weight:	2.7 g
Case Material:	Non-conductive black plastic



## Available Models

Model	Nominal Input Voltage (VDC)	Input Voltage Range (VDC)	Output Voltage (VDC)	Max. Output Current (mA)	Efficiency @ Full-Load (%)	Load Regulation % Max
203S5HFS	5	4.5-5.5	3.3	500	73	11
205S5HFS	5	4.5-5.5	5.0	400	76	11
212S5HFS	5	4.5-5.5	12.0	165	80	7
215S5HFS	5	4.5-5.5	15.0	133	80	7
205D5HFS	5	4.5-5.5	+/-5.0	+/-200	77	10
212D5HFS	5	4.5-5.5	+/-12.0	+/-83	79	7
215D5HFS	5	4.5-5.5	+/-15.0	+/-66	79	7
203S12HFS	12	10.8-13.2	3.3	500	74	8
205S12HFS	12	10.8-13.2	5.0	400	78	8
212S12HFS	12	10.8-13.2	12.0	165	82	5
215S12HFS	12	10.8-13.2	15.0	133	83	5
205D12HFS	12	10.8-13.2	+/-5.0	+/-200	79	8
212D12HFS	12	10.8-13.2	+/-12.0	+/-83	82	5
215D12HFS	12	10.8-13.2	+/-15.0	+/-66	82	5
203S24HFS	24	21.6-26.4	3.3	500	74	8
205S24HFS	24	21.6-26.4	5.0	400	77	8
212S24HFS	24	21.6-26.4	12.0	165	77	8
215S24HFS	24	21.6-26.4	15.0	133	81	5
205D24HFS	24	21.6-26.4	+/-5.0	+/-200	79	8
212D24HFS	24	21.6-26.4	+/-12.0	+/-83	81	5
215D24HFS	24	21.6-26.4	+/-15.0	+/-66	82	5

## Outline Drawing



## Pinout Chart

Pin	Single	Dual
1	+Vin	+Vin
2	-Vin	-Vin
3	No Pin	No Pin
4	-Vout	-Vout
5	No Pin	Common
6	+Vout	+Vout

All specifications are typical at 25 degrees C with nominal input voltage and full output unless otherwise noted. Specifications are subject to change without notice. All dimensions are typical.