

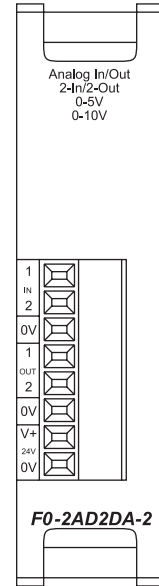
DL05/06 Option Modules

F0-2AD2DA-2 <--->

2-channel analog voltage input and
2-channel analog voltage output module

F0-2AD2DA-2 Input Specifications	
Number of Channels	2, single ended (one common)
Input Range	0 to 5VDC or 0 to 10VDC (jumper selectable)
Resolution	12 bit (1 in 4096)
Step Response	10.0mS to 95% of full step change
Crosstalk	1/2 count max (-80db)*
Active Low-pass Filtering	-3dB at 300Hz (-12dB per octave)
Input Impedance	>20KΩ
Absolute Max Ratings	±15V
Linearity Error (end to end)	±2 counts (0.025% of full scale) max*
Input Stability	±1 count*
Gain Error	±6 counts max*
Offset Error	±2 counts max*
Max Inaccuracy	±0.3% at 25°C (77°F) ±0.6% at 0 to 60°C (32 to 140°F)
Accuracy vs. Temperature	±100 ppm/°C typical

F0-2AD2DA-2 Output Specifications	
Number of Channels	2, single ended (one common)
Output Range	0 to 5VDC or 0 to 10VDC (jumper selectable)
Resolution	12 bit (1 in 4096)
Conversion Settling Time	50μS for full scale change
Crosstalk	1/2 count max (-80db)*
Peak Output Voltage	±15VDC (power supply limited)
Offset Error	0.1% of range
Gain Error	0.4% of range
Linearity Error (end to end)	±1 counts (0.075% of full scale) max*
Output Stability	±2 counts*
Load Impedance	2KΩ min
Load Capacitance	0.01μF max
Accuracy vs. Temperature	±50 ppm/°C typical



* One count in the specification table is equal to one least significant bit of the analog data value (1 in 4096)

