

## A708 Dual Voltage Regulator

The A708 Dual Voltage Regulator is used in the AD15 Analog Subsystem to provide regulated -15V and +5V output voltages.

In the -15V regulator circuit, Q3 and Q4 control the forward bias on series regulator Q5 to maintain the -15V output within  $\pm 1\%$ . In the +5V regulator, any change in the +5V output is sensed at the base of Q2, which controls forward bias on Q1 to maintain the +5V output with  $\pm 5\%$ .

**INPUTS:** Less than 20 mV ripple.  
-20V,  $\pm 1\%$ , 0.25A max. Pin N2  
+15V,  $\pm 1\%$ , 1.25A max. Pin E2, V2

**OUTPUTS:** -15V,  $\pm 0.5\%$ , 0.2A max. Pin S2  
+5V,  $\pm 1\%$ , 1.2A max. Pin A2