



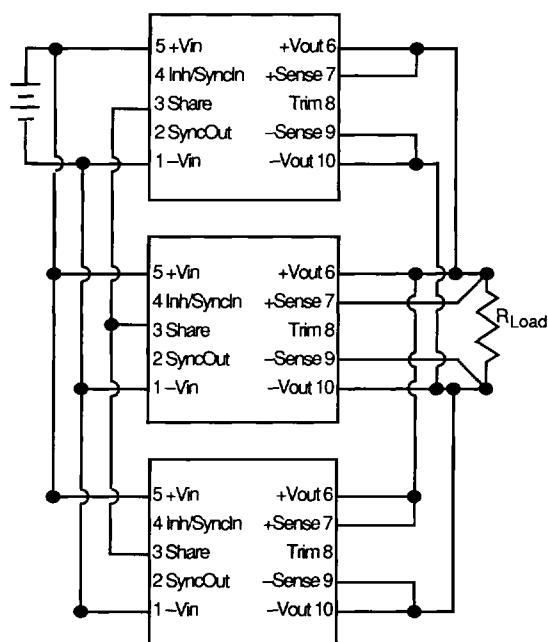
### OPTIONAL ENVIRONMENTAL SCREENING (ST)

- Pre-cover visual inspection per MIL-STD-883, Method 2010 IPC-610A, Class III
- Temperature cycle per method 107, condition B (modified) -55°C to +125°C, 10 times.
- Mechanical shock per MIL-STD 202, M. 213, condition D (500G).
- Burn-in at +125°C for 96 hours
- Final electrical test per Interpoint acceptance test procedure at -55°C, +25°C, and +125°C.
- Gross leak, Condition A (dip test)

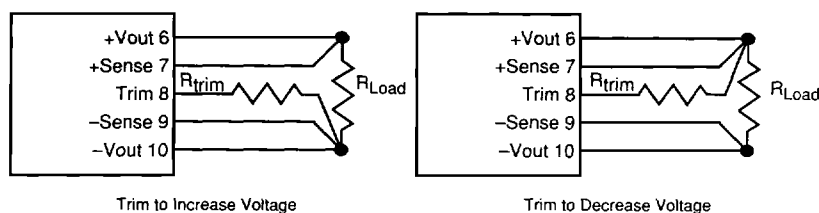
To order optional screening, add suffix -/ST to model number. Example: MK200-2805S/ST.  
On unscreened parts, the screening code block is blank. On screened parts, the block is marked "ST."

### PARALLEL, TRIM, AND SENSE CONNECTIONS

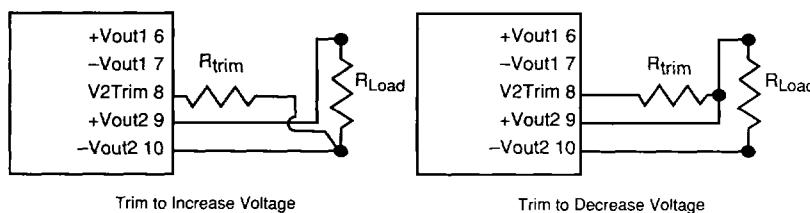
#### SINGLE OUTPUT PARALLEL CONNECTIONS



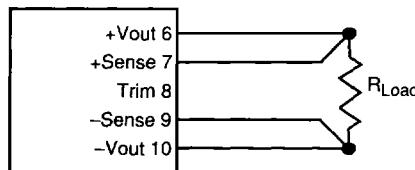
#### SINGLE OUTPUT TRIM CONNECTIONS



#### DUAL OUTPUT TRIM CONNECTIONS



#### SINGLE OUTPUT SENSE CONNECTIONS



#### Notes:

##### Paralleling:

Sense connections should be made as close as possible to the load for optimum load regulation.

##### Trim and sense:

All connections should be made as close to the load as possible for optimum load regulation.

##### Trim:

When increasing the output voltage, do not exceed the maximum output power rating.  
When decreasing the output voltage, do not exceed the maximum output current rating.  
On dual output models, only  $V_{out2}$  can be trimmed.

##### Sense:

When sense is not used, the sense terminals must be connected to their respective output terminals (pin 7 to pin 6 and pin 9 to pin 10).

##### Inhibit and Synchronization:

Inhibit/sync in (pin 4) and sync out (pin 2) are referenced to input common (pin 1). Referencing either of these pins to any other point could result in damage to the converter.