



## APPLICATION GUIDELINES FOR FUNCTION MODULES

### General Observations

1. If parts are covered with a liquid—water, oil, etc., or any metallic material, this can cause part failure.  
Do not use the parts.
2. If voltage in excess of the rated voltage is applied the parts can fail and possibly flame out.
3. If parts are used with reactive gas, strong electrical field, or radioactive environment, parts will deteriorate greatly.

### Notes on Usage

1. Please use parts within rated operating temperatures.
2. Please use parts within the rated voltages and applicable current.
3. Please use parts in a cooled down environment by using either heat sinks or fans to deflect heat.
4. Do not put excessive force onto the terminals.
5. Please use parts in stress-free environment with the exception of those meant to be bolted to the PC board.
6. Soldering conditions should be as follows: 260 degrees C maximum for no more than 5 seconds and cool down quickly to room temperatures.  
Take special precaution in controlling soldering conditions because the solder can very adversely affect the function modules.
7. The part reliability will vary due to the environmental conditions of the application.  
Please verify the quality by testing the parts in actual environmental conditions.
8. Please use parts in accordance with the individual drawings.
9. Please use these parts with some protection against personal injury from possible fire.

### Notes on Storage

Please store parts at normal room temperature, humidity and barometric pressure.