



**DIONICS-USA  
INCORPORATED**

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**Reliability Report – DIG-Series**

**Iso-Gate Mosfet Driver**

**Plastic Dual-In-Line Package**

DIG-11-08-050  
DIG-11-06-150  
DIG-11-08-050

DIG-11-8-30-DD  
DIG-12-06-025  
DIG-12-06-100

DIG-12-06-250  
DIG-12-08-010  
DIG-12-08-045

| TEST                     | CONDITION   | LTPD | RESULT                                |
|--------------------------|---|------|---------------------------------------|
| Temperature Cycling      | -20°C to 100°C 10 Cycles                          | 15   | No Failure                            |
| Acceleration             | Mil 883 Method 2001 Cond A<br>5kg/Y1              | 15   | No Failure                            |
| Mechanical Shock         | Mil 883 Method 2002<br>500g for 1mSec             | 15   | No Failure                            |
| Vibration                | Mil 883 Method 2007 Cond A<br>20g @ 20 to 2000Hz  | 15   | No Failure                            |
| Moisture Resistance      | Mil 883 Method 1004 Cond A<br>240hr -10°C to 65°C | 15   | No Failure                            |
| Pressure Pot             | 121°C / 15psi Steam / 24hr                        | 15   | No Failure                            |
| Temperature / Humidity   | 85°C / 85% RH 120hr                               | 15   | No Failure                            |
| High Temperature Storage | 100°C 168hr                                       | 15   | No Failure                            |
| Lead Fatigue             | Mil 883 Method 2004 Cond B2 8 oz                  | 15   | No Failure                            |
| Solderability            | Mil 883 Method 2003 250°C                         | 15   | No Failure                            |
| High Temperature Burn-In | 85°C 1000hr / IF = 20mA                           | --   | Failure Rate =<br>0.18%<br>per 1000hr |

Review Date: 07/01/2001