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### ELECTRICAL CHARACTERISTICS (INTO 50Ω TO -2.0 VDC LOAD)

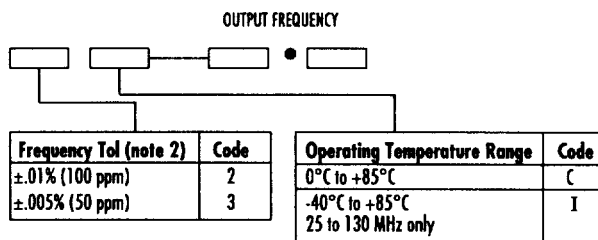
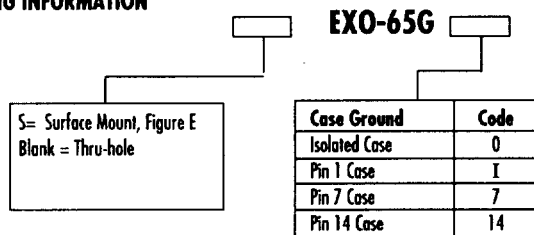
| SPECIFICATIONS       | UNITS | SYMBOL                          | MINIMUM | TYPICAL | MAXIMUM | TEST CONDITIONS                     |
|----------------------|-------|---------------------------------|---------|---------|---------|-------------------------------------|
| Operating Voltage    | V     | V <sub>ee</sub>                 | -5.7    | -4.5    | -4.2    |                                     |
| Min. Oper. Voltage   | V     | V <sub>ee min.</sub>            | -7.0    |         |         |                                     |
| Supply Current       | mA    | I <sub>ee</sub>                 |         |         | 100     |                                     |
| Start-up Time        | mS    | T <sub>s</sub>                  |         |         | 10      |                                     |
| Output Voltage-HI    | V     | V <sub>oh</sub>                 | -1.02   |         | -.87    | 0 to 70°C                           |
|                      |       |                                 | -1.08   |         | -.87    | -40 to 85°C                         |
| Output Voltage-LO    | V     | V <sub>ol</sub>                 | -1.83   |         | -1.62   | 0 to 70°C                           |
|                      |       |                                 | -1.83   |         | -1.56   | -40 to 85°C                         |
| Duty Cycle (up time) | %     | Sym                             | 40      |         | 60      | Measured at 50% of waveform         |
| Rise and Fall Time   | nS    | R <sub>s</sub> , F <sub>l</sub> |         | 1.5     | 2.5     | Measure from 20% to 80% of waveform |
| Output Load          |       |                                 |         |         |         | 50 Ohms to -2.0V                    |

## PIN CONNECTIONS

| PIN | EX065G0 | EX065G1 | EX065G7  | EX065G14 | EX065G0C | EX065G7C | EX065G14C |
|-----|---------|---------|----------|----------|----------|----------|-----------|
| 1   | N/C     | Case    | N/C      | N/C      | Output   | Output   | Output    |
| 7   | -Vee    | -Vee    | Gnd/Case | -Vee     | -Vee     | Gnd/Case | -Vee      |
| 8   | Output  | Output  | Output   | Output   | Output   | Output   | Output    |
| 14  | Gnd     | Gnd     | -Vee     | Gnd/Case | Gnd      | -Vee     | Gnd/Case  |

**Consult factory for availability.**

## ORDERING INFORMATION

**ELECTRICAL CHARACTERISTICS (INTO 50Ω TO -2.0 VDC LOAD)**

| SPECIFICATIONS       | UNITS | SYMBOL                          | MINIMUM | TYPICAL | MAXIMUM | TEST CONDITIONS                     |
|----------------------|-------|---------------------------------|---------|---------|---------|-------------------------------------|
| Operating Voltage    | V     | V <sub>ee</sub>                 | -5.46   | -5.20   | -4.94   |                                     |
| Min. Oper. Voltage   | V     | V <sub>ee min.</sub>            | -7.0    |         |         |                                     |
| Supply Current       | mA    | I <sub>ee</sub>                 |         |         | 100     |                                     |
| Start-up Time        | mS    | T <sub>s</sub>                  |         |         | 10      |                                     |
| Output Voltage-HI    | V     | V <sub>oh</sub>                 | -1.02   |         | -74     | 0 to 70°C                           |
|                      |       |                                 | -1.06   |         | -65     | -40 to 85°C                         |
| Output Voltage-LO    | V     | V <sub>ol</sub>                 | -1.95   |         | -1.60   | 0 to 70°C                           |
|                      |       |                                 | -1.95   |         | -1.57   | -40 to 85°C                         |
| Duty Cycle (up time) | %     | Sym                             | 40      |         | 60      | Measured at 50% of waveform         |
| Rise and Fall Time   | nS    | R <sub>s</sub> , F <sub>l</sub> |         | 1.5     | 2.5     | Measure from 20% to 80% of waveform |
| Output Load          |       |                                 |         |         |         | 50 Ohms to -2.0V                    |

**CONSULT FACTORY FOR HIGHER FREQUENCY**

Positive supply voltage available  
Complimentary designs available  
Enable Designs Available

## PIN CONNECTIONS CONSULT FACTORY FOR TIGHTER STABILITY

| PIN | EX055G0 | EX055G1 | EX055G7  | EX055G14 | EX0550C | EX055G7C | EX055G14C |
|-----|---------|---------|----------|----------|---------|----------|-----------|
| 1   | *N/C    | Case    | *N/C     | *N/C     | Output  | Output   | Output    |
| 7   | -Vee    | -Vee    | Bnd Case | -Vee     | -Vee    | Gnd/Case | -Vee      |
| 8   | Output  | Output  | Output   | Output   | Output  | Output   | Output    |
| 14  | Gnd     | Gnd     | -Vee     | Gnd/Case | Gnd     | -Vee     | Gnd/Case  |

\* No Internal Connection

## ORDERING INFORMATION

