

6800GS-EL



6" x 8" Gray Shades EL

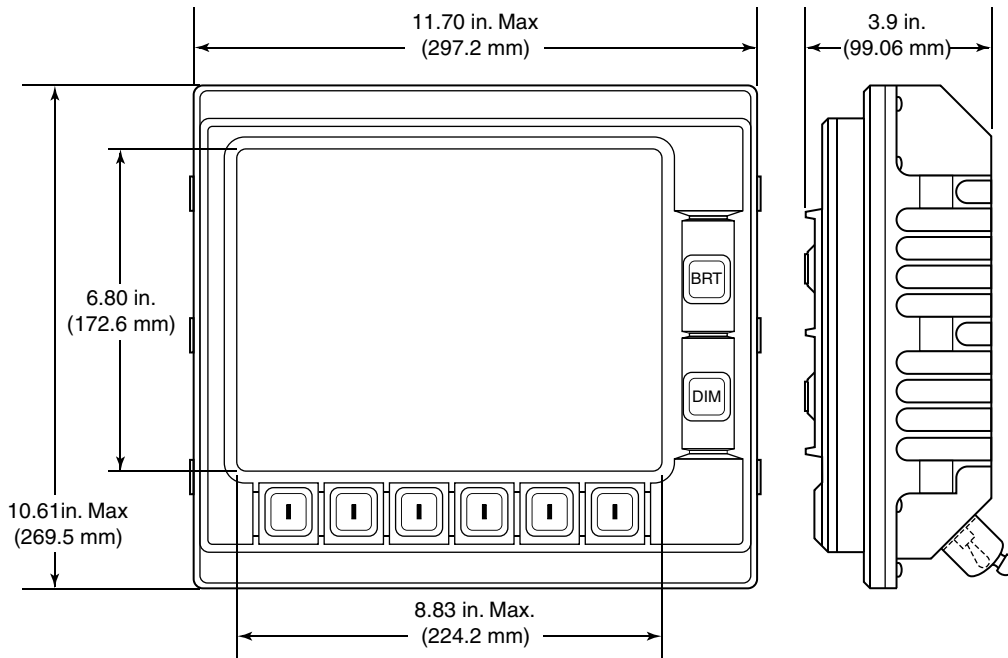
FEATURES

- ◆ 64 levels of gray (hardware)
- ◆ -46°C to +71°C
- ◆ Nuclear hardened

General Dynamics Canada Ltd is a world leader in militarized Flat Panel Displays. Our displays are in service with armed forces in North America, Europe, Asia, Australia and the Middle East. Military applications include armored vehicles, reconnaissance aircraft, ships, submarines and flight line test equipment.

GENERAL DYNAMICS
Canada

Technical Information



The 6800GS-EL high resolution display is now in production for various U.S. Army programs. As such it meets all U.S. Army environmental specifications as well as operational requirements such as night vision goggle compatibility and nuclear hardening. This display is ideally suited for use as a thermal sensor display and general day CCD sensor display.

OPTICAL CHARACTERISTICS

Display Area	6.09" (154.76 mm) x 8.12" (206.37 mm)
Matrix	640 x 480 pixels
Brightness	24 fL (pixel peak after filter)
Brightness Control	16 steps
Contrast	30:1 at 10 fc, with enhancement filter
Gray Shades	64 levels hardware (128 optional)
Display Color	Yellow 585 nm
Viewing Angle	160

PHYSICAL CHARACTERISTICS

Height	10.61" (296.5 mm)
Width	11.70" (297.2 mm)
Depth	3.9" (99.06 mm)
Weight	7 lbs (3.2 kg) plus bezel
Input Voltage	18 to 32 V dc, to MIL-STD-1275(AT)
Power (Nominal)	35 Watts
Power (Max)	45 Watts
MTBF	> 25,000 hours at 60°C

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature	-46°C to +71°C
Storage Temperature	-62°C to +85°C
Operation Altitude	30,000 ft.
Transport Altitude	50,000 ft.
Relative Humidity	up to 100%
Salt Fog	up to 5% NaCl
Shock	MIL-STD-810E, Method 514.4, Procedure 1, Functional Shock
Vibration	MIL-STD-810E, Method 516.4, Category 8, Ground Mobile

INTERFACES

RS-422 host link
 RS-170
 VGA
 Digital (HSYNC, VSYNC, CLOCK and DATA (6 bits))

OPTIONS

Touch control overlays
 Optical filters for specific applications
 Bezels with integrated switches

The display described represents a typical configuration of this family of products. Specifications may be configurable for specific customer requirements. For specifics on interfaces, bezel buttons, casings, connectors, and other configurations, please contact your GD Canada representative listed below.



For more information please contact us at:

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