

**6.5" MIL Grade Ruggedized Display****A. Specifications**

1.	Screen Size	6.5" Diagonal
2.	Type	TFT Colour active Matrix
3.	Format	Minimum SVGA Resolution 800x600
4.	Viewing Angle	Horizontal $\pm 70^\circ$ , Vertical: $\pm 70^\circ$
5.	Contrast ratio	$\geq 600$
6.	Brightness	$\geq 400$ Cd/m <sup>2</sup>
7.	Aspect Ratio	4:3
8.	Input Voltage	18 - 30V DC
9.	Video Input	CVBS (PAL) on threaded TNC connector
10.	Video Output	CVBS (PAL) on BNC connector
11.	Controls	Power ON/OFF; Brightness and Contrast
12.	Mechanical enclosure & Mounting	As per details given in Para B
13.	Weight	$\leq 3$ Kg (with mounting mechanism)
14.	Connectors	Suitable miniaturized MIL grade connector for power supply input
15.	Operating Temperature	-20° to +55° C
16.	Storage Temperature	-30° to +75° C
17.	EMI/EMC	MIL STD 461E
18.	Shock & Vibration	As-per JSS 55555
19.	Sealing	IP65
20.	Accessories	Following cables, connectors and accessories compatible with Display to be supplied along with each unit: a. Mating connector along with cable (length minimum 50mm) for external power and I/Os b. Dust saving enclosure while stowing

**B. Mechanical Specifications**

- The display should have rigid mechanical housing with dimensions not exceeding 175X140X45.
- Various display control switches to be placed on the right side of display housing in such a way that it ensures less or no protrusion from outer front surface of housing.
- All connectors to be mounted on left side of display housing.
- Display to be supplied with suitable mechanical mounting so that it can be mounted on a metal rod (Dia 11 mm) with length (L=110 mm).
- While mounted, it should be possible to move the display approximately by 30° forward and 120° backward about the rod.
- It is to be ensured that the display should remain rigidly clamped to rod in any of the selected position and it should not get displaced on its own by vibration/shock (display will be subjected to tank environment)
- A suitable plug in type connector to be included for connecting LED light (minimum 500 lumens) whenever desired for compartment illumination. This LED light with mating connector to be supplied along with the display.

Kiran Pande  
06/09/19  
(KIRAN PANDE)  
S.D.