

SWEEP AMPLIFIER

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| 1 | Nomenclature/ Part No./ GIG No | Sweep Amplifier /CHK2-035-131/205682 |
| 2 | Year of Procurement/Source | N/A |
| 3 | Fleet/ Sub system/ Weapon system | SAGW/PPI/Simulator |
| 4 | Technical Applicability/ Broad Purpose | It is used in simulator PPI (plan position indicator) for generation of horizontal and vertical sweep. |
| 5 | Technical specifications | Attached |
| 6 | Publication Details | TD& OI |
| 7 | Photograph of equipment | Attached |
| 8 | Brief description | It is Part of plan position indicator (PPI) of simulator. |
| 9 | Classification of Equipment- LRU/Testers/Ground Equipment/Role Equipment (Electrical/Electronics/Mechanical/Software based etc.) | LRU/Testers/ Ground Equipment/ Role Equipment (Electrical, Electronics, Mechanical, Software based etc.): Ground Equipment Electronic based. |
| 10 | Previous repair history | Repaired |
| 11 | Criticality (Priority I/II/III) | Priority I |
| 12 | Requirement: Repair or Indigenization or both | Indigenisation |
| 13 | Quantity required (one time/annual) | One time – 01+01, Annual - 03 |
| 14 | Sample Availability | YES |
| 15 | Scale/ Deficiency | NIL |
| 16 | If deficient- How deficiency is being plugged? | N/A |
| 17 | Draft QTS with major testing | N/A |
| 18 | SPOC details item/fleet wise | SPE ISC, 7BRD, AF |
| 19 | Any other relevant information. | NIL |

BRIEF TECHNICAL SPECIFICATIONS

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|------------------------------|---|--|
| Input | : | 6.3 V AC, $\pm 150\text{V}/+250\text{ DC}$, Bias Voltages |
| Output | : | Voltage pulses having amplitude 80-100V DC & Duration 0.3 to 3.0 μ seconds. |
| Dimensions | : | 13X3X15.6 cm |
| Operating Temperature | : | -40 $^{\circ}\text{C}$ to +50 $^{\circ}\text{C}$ |
| Humidity | : | 98% at the temp 20 $^{\circ}\text{C}$ |



