



## Radio Interface Terminal with Data

The RIT/D provides analogue interfaces for two additional radio transceivers, enabling the two-radio system to be expanded to support four or more radios. The RIT/D provides up to 64 kbps data transmission to and from the radio to any channel in the system.

The RIT/D has no user-adjustable controls. It can therefore be mounted in any convenient position and at any point in the highway 'ring', whether above or below a vehicle slip-ring. Up to two RIT/D's can be added to a ROVIS installation to give a six radio capability

The RIT/D can be used in the LV2, ROVIS or AN/VIC-3 systems and can be inserted at anytime without the need to upgrade any of the existing equipment.

The RIT/D supports connections to the following radios, for other equipment please contact us.

- |  |                              |
|--|------------------------------|
| • ITT Sincgars                               | • ITT Sincgars SIP           |
| • ITT Sincgars ASIP                          | • AN/VRC-12                  |
| • AN/GRC 213                                 | • R-442 Receiver             |
| • AN/PRC-77                                  | • Datron Spectra-V           |
| • Harris 5800U                               | • Harris 5022 Falcon         |
| • Motorola URC-200                           |                              |
| • NO/GRC-1077                                | • NO/GRC-112                 |
| • Ericsson TR8000 'StarCom'                  | • Kongsberg/Ericsson MRR     |
| • Thane & Thane TT-3022C 'Capsat' (Inmarsat) |                              |
| • Icom IC-70                                 | • Icom IC-V100               |
| • Racal Panther-V                            | • Racal Jaguar-H             |
| • Racal Jaguar-V                             | • Racal / Kapch VRM5080      |
| • Marconi Scimitar-V                         | • Marconi Scimitar-H         |
| • Plessey Raven-VHF (RT-F200)                | • Plessey Raven-2V (RT-4411) |
| • Plessey Raven-HF (RT-F100)                 | • Plessey PTS-1410           |
| • Thomson PR4G                               | • Thomson TRC3500            |
| • SEL-Alcatel SEM-170                        | • SEL-Alcatel SEM 193        |
| • Aselsan VRC9600                            |                              |
| • Tadiran VRC-120                            | • Tadiran CNR-900            |
| • Tadiran PRC-2200                           |                              |
| • Codan HF                                   |                              |



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## Specifications and Standards

Chelton products are designed and independently tested to international standards.

### Environmental

Reliability (MTBF) - MIL-HDBK-217

Environmental - MIL-STD-810E :

Low Temperature (-40°C Operational, -57°C Storage, Method 502.3, Procedure I and II)

High Temperature (Hot, Method 501.3, Procedure I and II)

High Temperature plus Solar Radiation (+71°C, Method 505.3, Procedure I and II)

Humidity (Method 507.3, Procedure I and II)

Atmospheric Pressure (945 to 1060 millibars)

Elevation (Method 500.3, Procedure I and II)

Sand & Dust (Method 510.3)

Rain (Method 506.3, Procedure I)

Salt Fog (Method 509.3 Procedure 1)

Immersion (Method 512.3, Procedure I)

Vibration (Method 514.4, Procedure 1, Category 8)

Shock (Method 516.4, Procedure IV and VI & MIL-S-901)

Fungus (Method 508.4)

Explosive Atmosphere (Method 511.3, Procedure 1)

Electromagnetic Compatibility - MIL-STD-461C

Part 4 (CE01, CE03, CE07, CS01, CS02, CS06, RE02, RS02 and RS03)

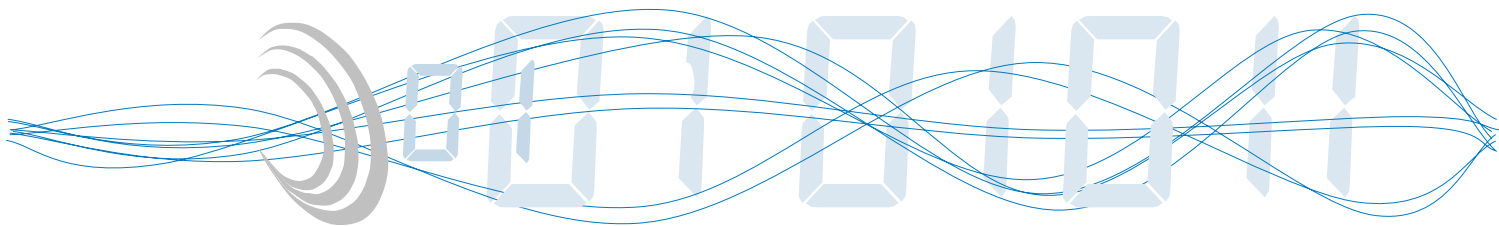
Electromagnetic Pulse - MIL-STD-461C part 4, (RS05 and CS11)

Electrostatic Discharge - IEC 801-2:2, level 4

Rapid Speech Transmission Index (RASTI)

### Mechanical Dimensions and Weights

Height (mm)	Width (mm)	Depth (mm)	Mounting (mm)	Weight (kg)
78	140	115	140	0.9



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