JUE-85 Inmarsat C
– specifications

**Model**

<table>
<thead>
<tr>
<th>Inmarsat C Mobile Earth Station</th>
<th>JUE-85</th>
</tr>
</thead>
<tbody>
<tr>
<td>Internal Mounted Equipment</td>
<td>NTF-781GM</td>
</tr>
<tr>
<td>Externally Mounted Equipment</td>
<td>NAF-741GM (including pole mounting bracket)</td>
</tr>
</tbody>
</table>

**Frequency**

- TX: L-band, 1626.5 - 1646.5 MHz
- RX: C-band, 1530.0 - 1545.0 MHz
- GPS: 1575.2 ± 1 MHz

**Page 1**

**Dimensions and Mass**

- **NTF-781GM**
  - Mass: 1.3 kg
  - Dimensions: 150 mm x 376 mm

- **NAF-741GM**
  - Mass: 1.5 kg
  - Dimensions: 144 mm x 224 mm x 90 mm

**Power Supply**

- **NBD-843A**
  - Line voltage: AC 100/200 V, DC 24 V
  - Line voltage selection: AC 90 to 126.5/180 to 253 V, DC 19.2 to 31.2 V
  - Output: DC 24 V, 6.9 A max

**Option Items**

- Remote distress button NQE-887C
- Buzzer box NCE-6255A
- Remote data terminal NDZ-227
- Mounting bracket MPBP31721
- Security button NQE-3154
- Junction box extension NQA-4281

**Data Terminal Equipment (DTE)**

- **NDZ-227**
  - Memory backup: 24 hours or more
  - Power supply: DC 24 V
  - Power consumption: 0.9 A

**Printer**

- **NKG-800**
  - Line interface: Parallel
  - Power supply: DC 24 V (+19.2 V to +31.2 V)
  - Power consumption: approx. 35 W

**Power Supply**

- **NBD-843A**
  - Line voltage: AC 100/200 V, DC 24 V
  - Line voltage selection: AC 90 to 126.5/180 to 253 V, DC 19.2 to 31.2 V
  - Output: DC 24 V, 6.9 A max

**Configuration**

- **Internally Mounted Equipment**
  - Switching Power Supply
  - Security Buttons (4 Max.)
  - Remote Distress Buttons (3 Max.)
  - External Buzzers (4 Max.)

- **Externally Mounted Equipment**
  - Coaxial Cable
  - Data Terminal Equipment
  - Keyboard

**High Reliability System**

- Compact design

**Single coxk installation**

**Optional Ship Security Alert System (SSAS)**

**LRIT integrated as standard**

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*Specifications may be subject to change without notice.*

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**For further information, contact:**

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**JRC Introduces a Dedicated Two-way Inmarsat C Global Data Communication Solution**
Inmarsat C – a reliable mobile satellite communications system

**Unique features**
- The JUE-85 is a highly reliable mobile satellite message communication system, having the ability to handle commercial operational and personal messages just as easily as distress and safety communications.

**All-in-one solution**
The JRC JUE-85 Inmarsat system is comprised of a small Internally Mounted Equipment (IME), an externally Mounted Equipment (EME) with a coaxial cable, together with a Data Terminal Equipment (DTE) and an AC/DC Power Supply Unit. As a GMDSS equipment, JRC also includes a printer as standard, offering a user-friendly solution to the shipping industry.

**About the Inmarsat C system**
JRC JUE-85 Inmarsat C is a digital satellite communication system whereby anything that can be encoded into digital format, whether text, numeric data from instruments or other information can be sent and received over the system. A simple user interface allows sending and receiving messages.

**Store and forward messaging**
The Inmarsat C system is known as a store-and-forward messaging system. When sending a ship-to-ship message, it is edited on the Data Terminal Equipment (DTE) and is then transmitted via a series of data packets to an Inmarsat C land earth station (LES). The LES acts as an interface between the satellite and the telecommunication network on land. The LES stores the data packets, assembles them into a single message and forwards it (hence the term store-and-forwarding) over the telecommunication network to its addressed destination.

**Data reporting and polling**
JUE-85 Inmarsat C is programmed to automatically respond to a polling request from shore-based customers, as they may need to acquire information from vessels. The polling command ‘instructs’ a station or group of stations to send a variety of onboard data to the shore-based customers, as they may need to acquire information from vessels. The polling can be initiated by the shore-based customer as a request to acquire specific information from one or more vessels.

**Self diagnosis**
JRC’s mobile Inmarsat C Mobile Earth Station (MES) incorporates various self-diagnostic programs to facilitate maintenance and troubleshooting. Reporting any potential problems it might suffer, the results are displayed on the Data Terminal Equipment (DTE). These functions allow for easy maintenance and more reliability. In addition, automatic testing for performance verification and commissioning using the satellite channel is also available.

**Security alert add-on kit**
The Ship Security Alerting System (SSAS) is a system that contributes to the IMO’s efforts to strengthen maritime security and suppress acts of terrorism and piracy against shipping. In case of attempted piracy or terrorism, the vessel’s SSAS function can be activated, and appropriate law enforcement or military forces can be alerted.

**Jmail**
Jmail is a freeware application developed by JRC, enabling you to transmit and receive email messages, even on the JUE-85 Mobile Earth Station (MES). In addition, this program allows you to receive EGC messages.

**JRC StarNetwork™**
JRC has been providing sales and support of products since 1915. Today, JRC offers comprehensive assistance to shipping companies or governments to broadcast messages to selected groups of ships. JRC StarNetwork™ is the international safety service, which broadcasts maritime safety messages, such as meteorological and hydrographic messages to all ships in certain geographical areas.

**EGC FleetNET**
EGC FleetNET is the international commercial service, it is a subscription service, and allows shipping companies or governments to broadcast messages to selected vessels.

**Switching power**
If the vessel’s main power supply (AC source) fails, the JUE-85 will automatically switch to the emergency DC source. This is one of the necessary requirements to meet the Global Maritime Distress Safety System (GMDSS) regulations.

**Flexible installation**
The JUE-85 Inmarsat C system has the same cable management philosophy, resembling all other Inmarsat products that JRC is offering, allowing for an easy installation as only a single coaxial cable is used between Externally Mounted Equipment (IME) and Internally Mounted Equipment (IME). Both are very compact and can be easily installed on any size and type of vessel.

**What’s in the box?**
- 1. Externally Mounted Equipment (IME)
- 2. Internally Mounted Equipment (IME)
- 3. Data Terminal Equipment (DTE) (display and keyboard)*
- 4. Printer (+ 20 paper)
- 5. AC/DC Switching Power Supply Unit
- 6. Pole mounting bracket
- 7. Cables
- 8. Spare parts
- 10. Operation guide

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**Enhanced Group Calling (EGC)**
JRC’s Inmarsat C solution incorporates a special capability known as Enhanced Group Calling (EGC), which enables authorized information providers to broadcast international safety and commercial service messages to selected groups of ships. EGC is available as standard on the JUE-85 Mobile Earth Station (MES).

**Two EGC services are available:**
- EGC-SafetyNET is the international safety service, which broadcasts maritime safety information, such as meteorological and hydrographic messages to all ships in certain geographical areas.
- EGC-FleetNET is the international commercial service, it is a subscription service, and allows shipping companies or governments to broadcast messages to selected groups of vessels.

**Distress alert**
Your vessel’s ID, position, course, speed, date and time is acquired either manually or from a GPS receiver, such as GPS, allowing you to send a distress alert simply by pressing and holding the dedicated built-in distress button.

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**JRC One-call™**
With JRC, you can go anywhere and call anyone through its organisation, in partnership with a worldwide StarNetwork™ of over 270 fully trained and qualified partners and agents, assisting you 24 hours a day, 7 days a week and 365 days a year.

**One number to call**
For all your Inmarsat C and FLEETNET systems. Whether you need sales, advice, installation, emergency services, or technical support, one number to call: 1-800-724-4264 (toll free) or +81 3 3492 9201, anytime.

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Inmarsat C – a reliable mobile satellite communications system

**Unique features**
- The JRC JUE-85 Inmarsat C system is comprised of a small Externally Mounted Equipment (EME), an Internally Mounted Equipment (IME) with switches button, together with a Data Terminal Equipment (DTE) and an AC/DC Power Supply Unit. It is a GMDSS equipment, JRC also includes a printer as standard, offering a total solution to the shipping industry.

**About the Inmarsat C system**
The JRC JUE-85 Inmarsat C is a digital satellite communication system whereby anything that can be encoded into digital format, whether text, numeric, data from instruments or other information can be sent and received over the system. A simple user interface allows sending and receiving messages.

**Store and forward messages**
The Inmarsat C system is known as a store-and-forward messaging system whereby messages are transmitted in a series of data packets to an Inmarsat C land earth station (LES). The LES acts as an interface (or gateway) between the satellite and the telecommunications network on land. The LES stores the data packets, assembles them into a single message and forwards it (hence the term store-and-forwarding) over the telecommunication network to its addressed destination.

**Data reporting and polling**
JRC’s Inmarsat C Mobile Earth Station (MES) incorporates various self-diagnostic programs to facilitate maintenance and troubleshooting, reporting any possible problems it might suffer. The results are displayed on the Data Terminal Equipment (DTE). These functions allow for easy maintenance and more reliability. In addition, automatic testing for performance verification and commissioning via the satellite channel is also available.

**JRC StarNetwork™**
JRC has been providing sales and support of products since 1915. Today, JRC offers comprehensive assistance to shipping companies or governments to broadcast messages to selected groups of vessels. JRC is a general supplier of standard EGC (Emergency Distress C) to broadcast distress messages. The JRC JUE-85 system is a true all-in-one solution which includes all possible problems it might suffer. The results are displayed on the Data Terminal Equipment (DTE) and an AC/DC Power Supply Unit. It is a GMDSS equipment, JRC also includes a printer as standard, offering a total solution to the shipping industry.

**Distress alert**
Your vessel’s ID position, course, speed, date and time is acquired either manually or from a GMDSS receiver, such as GPS, allowing you to send a distress alert simply by pressing and holding the dedicated built-in distress button.

**EGC (Emergency Distress C)**
JRC’s Inmarsat C system incorporates a special capability known as Enhanced Group Calling (EGC), which enables authorised information providers to broadcast international safety and commercial service messages to selected groups of ships. EGC is available as standard on the JRC JUE-85 Mobile Earth Station (MES).

**Switching power**
If the vessel’s main power supply (AC source) fails, the JUE-85 will automatically switch to the emergency DC source. This is one of the necessary requirements to meet the Global Maritime Distress Safety System (GMDSS) regulations.

**Flexible installation**
The JRC JUE-85 Inmarsat C system has the same cable management philosophy. JRCthurat all other Inmarsat products that JRC is offering, allowing for an easy installation as only a single coax cable is used between Externally Mounted Equipment (EME) and Internally Mounted Equipment (IME). Both are very compact and can be easily installed on any size and type of vessel.

**What’s the standard in the box?**
1. Externally Mounted Equipment (EME)
2. Internally Mounted Equipment (IME)
3. Data Terminal Equipment (DTE)
4. Printer (+ roll paper)
5. Power supply to printer
6. Power supply to IME
7. Cables (display and keyboard)*
8. Spare parts
10. Operation guide

---

**EGC FleetNET –** is the international safety service, which broadcasts maritime safety information, such as meteorological and hydrographic messages, to all ships in certain geographical areas.

**EGC FleetNET –** is the international commercial service, it is a subscription service, and allows shipping companies or governments to broadcast messages to selected groups of vessels.
JUE-85 Inmarsat C – performance features

Unique features
- The JUE-85 is a highly reliable mobile satellite message communication system, having the ability to handle commercial operational and personal messages just as easily as distress and safety communications.

All-in-one solution
The JRC JUE-85 Inmarsat system is comprised of a small Externally Mounted Equipment (EME), an Internally Mounted Equipment (IME) with its own AC/DC Power Supply Unit and an AC/DC Power Supply Unit. As a GMDSS equipment, JRC also includes a printer as standard, offering a total solution to the shipping industry.

About the Inmarsat C system
JRC JUE-85 Inmarsat C is a digital satellite communication system whereby anything that can be encoded into digital format, whether text, numeric data from instruments or other information can be sent and received over the system. A simple user interface allows sending and receiving messages.

Store and forward messages
The Inmarsat C system is known as a store-and-forward messaging system whereby anything that has been encoded into digital format can be transmitted in a series of data packets to an Inmarsat C land earth station (LES). The LES acts as a message relay to the INTELSAT network. The satellite network then transmits these data packets to other Inmarsat C stations around the world. The Inmarsat system is known as a store-and-forward messaging system. When sending a message, the satellite system captures the message and holds it in memory. The message is then transmitted when there is a satellite pass available.

Self diagnosis
JRC’s mobile Inmarsat C Mobile Earth Station (MES) incorporates various self-diagnostic programs to facilitate maintenance and trouble-shooting, reporting any possible problems and their causes. These features allow for easy maintenance and more reliability. In addition, automatic testing for performance verification and commissioning via the satellite channel is also available.

JMail
JMail, a freeware application developed by JRC, enables you to transmit and receive email messages very easily on the JUE-85 Mobile Earth Station (MES). In addition, this program allows you to receive EGC messages.

Security alert add-on kit
The Ship Security Alerting System (SSAS) is a system that contributes to the IMO’s efforts to strengthen maritime security and suppress acts of terrorism and piracy against shipping. In case of attempted piracy or terrorism, the vessel’s SSAS function can be activated, and appropriate law enforcement or military forces can be alerted.

About the JUE-85
JRC JUE-85 Inmarsat C is a digital satellite communication system whereby anything that can be encoded into digital format, whether text, numeric data from instruments or other information can be sent and received over the system. A simple user interface allows sending and receiving messages.

Store and forward messages
The Inmarsat C system is known as a store-and-forward messaging system whereby anything that has been encoded into digital format can be transmitted in a series of data packets to an Inmarsat C land earth station (LES). The LES acts as a message relay to the INTELSAT network. The satellite network then transmits these data packets to other Inmarsat C stations around the world. The Inmarsat system is known as a store-and-forward messaging system. When sending a message, the satellite system captures the message and holds it in memory. The message is then transmitted when there is a satellite pass available.

Data reporting and polling
JUE-85 Inmarsat C is programmed to automatically respond to a polling request from shore-based customers, as they may need to acquire information from vessels. The polling command ‘Instructs’ a station or group of stations to send a variety of onboard data immediately.

JUE-85 Inmarsat C – developed for maximum ease of use

Self diagnosis
JRC’s mobile Inmarsat C Mobile Earth Station (MES) incorporates various self-diagnostic programs to facilitate maintenance and trouble-shooting, reporting any possible problems and their causes. These features allow for easy maintenance and more reliability. In addition, automatic testing for performance verification and commissioning via the satellite channel is also available.

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JRC StarNetwork
JRC has been providing sales and support of products since 1976. Today, JRC offers comprehensive assistance through its organization, in partnership with a worldwide StarNetwork™ of over 270 fully trained and qualified partners and agents, assisting you 24 hours a day, 7 days a week and 365 days a year.

Flexible installation
The JUE-85 Inmarsat C system has the same cable management philosophy resembling all other Inmarsat products that JRC is offering, allowing for an easy installation as only a single coax cable is used between Externally Mounted Equipment (EME) and Internally Mounted Equipment (IME). Both are very compact and can be easily installed on any size and type of vessel.

What’s the standard in the box?
- Externally Mounted Equipment (EME)
- Internally Mounted Equipment (IME)
- Data Terminal Equipment (DTE)
- AC/DC Power Supply Unit
- DTE to printer
- DTE to IME
- EME to IME
- Power supply to DTE
- Power supply to printer
- Power supply to IME

JUE-85 Inmarsat C – system flexibility

Distress alert
Your vessel’s ID, position, course, speed, date and time is acquired either manually or from a GPS receiver, such as GPS, allowing you to send a distress alert simply by pressing and holding the dedicated built-in distress button.

Enhanced Group Calling (EGC)
JRC’s mobile Inmarsat C solution incorporates a special capability known as Enhanced Group Calling (EGC), which enables authorised information providers to broadcast international safety and commercial services messages to selected groups of ships. EGC is available as standard on the JUE-85 Mobile Earth Station (MES).

Two EGC services are available:
- EGC SafetyNET – is the international safety service, which broadcasts maritime safety information, such as meteorological and hydrographic messages to all ships in certain geographical areas.
- EGC FleetNET – is the international commercial service, and is a subscription service, and allows shipping companies or governments to broadcast messages to selected groups of vessels.

Switching power
If the vessel’s main power supply (AC source) fails, the JUE-85 will automatically switch to the emergency DC source. This is one of the necessary requirements to meet the Global Maritime Distress Safety System (GMDSS) regulations.

Flexible installation
The JUE-85 Inmarsat C system has the same cable management philosophy resembling all other Inmarsat products that JRC is offering, allowing for an easy installation as only a single coax cable is used between Externally Mounted Equipment (EME) and Internally Mounted Equipment (IME). Both are very compact and can be easily installed on any size and type of vessel.

What’s the standard in the box?
- Externally Mounted Equipment (EME)
- Internally Mounted Equipment (IME)
- Data Terminal Equipment (DTE)

Cables
- Power supply to DTE
- Power supply to printer
- Power supply to IME

Which cables?
- DME to IME: 20 m
- DTE to IME: 1.5 m
- DTE to printer: 1.5 m
- Power supply to DTE: 2 m
- Power supply to printer: 2 m

JRC total Inmarsat C solution incorporates a special capability known as Enhanced Group Calling (EGC), which enables authorised information providers to broadcast international safety and commercial services messages to selected groups of ships. EGC is available as standard on the JUE-85 Mobile Earth Station (MES).

Two EGC services are available:
- EGC SafetyNET – is the international safety service, which broadcasts maritime safety information, such as meteorological and hydrographic messages to all ships in certain geographical areas.
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Flexible installation
The JUE-85 Inmarsat C system has the same cable management philosophy resembling all other Inmarsat products that JRC is offering, allowing for an easy installation as only a single coax cable is used between Externally Mounted Equipment (EME) and Internally Mounted Equipment (IME). Both are very compact and can be easily installed on any size and type of vessel.

What’s the standard in the box?
- Externally Mounted Equipment (EME)
- Internally Mounted Equipment (IME)
- Data Terminal Equipment (DTE)

Cables
- Power supply to DTE
- Power supply to printer
- Power supply to IME

Which cables?
- DME to IME: 20 m
- DTE to IME: 1.5 m
- DTE to printer: 1.5 m
- Power supply to DTE: 2 m
- Power supply to printer: 2 m
JUE-85 Inmarsat C for GMDSS

High reliability system
Compact design
Single coax installation
Optional Ship Security Alert System (SSAS)
LRIT integrated as standard

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- JRC introduces a dedicated two-way Inmarsat C global data communication solution

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**JUE-85 Inmarsat C – specifications**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimensions</td>
<td>NAF-741GM: 144 mm x 224 mm x 80 mm&lt;br&gt;NKG-800: 282 mm x 258 mm x 358 mm&lt;br&gt;NBD-843A: 425 mm x 79 mm x 252 mm</td>
</tr>
<tr>
<td>Mass</td>
<td>1.5 kg&lt;br&gt;1.3 kg&lt;br&gt;8 kg</td>
</tr>
</tbody>
</table>

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**Communications Equipment**

- Data Terminal Equipment: NDZ-227
- Printer: NKG-800
- Power Supply: NBD-843A
- Security Buttons: NQE-3154
- Junction Box Extension: NQA-4281
- Remote Distress Button: NQE-887C
- Buzzer Box: NCE-6255A
- Remote Data Terminal: NDZ-227
- DTE Mounting Bracket: MPBP31721
- Keyboard for remote data terminal: NDF-369

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**Technical Specifications**

- Frequency:
  - TX: 1626.5 MHz - 1646.5 MHz
  - RX: 1530.0 MHz - 1545.0 MHz
- Power Output:
  - TX: 14 ± 2 dBW (at 5º angle)
- G/T: -23.7 dB/K minimum
- Modulation: 1200 symbols/sec BPSK
- Data Rate: 600 bps
- Antenna Type: Helical, Pattern: Hemisphere, Polarization: Right-hand circular
- Power Supply: DC 24V (+19.2V to +31.2V)
- Ambient Conditions:
  - EME: -35°C to +55°C
  - IME: -15°C to +55°C
- Storage Temperature: -40°C to +80°C
- Relative Humidity: +40°C up to 95%
- Line Interface: Parallel
- Power Supply: DC 24V (+19.2V to +31.2V)
- Power Consumption: 0.9A
- Line Voltage: AC 100/200 V, DC 24V
- Line Voltage Selection: AC 90 to 126.5/180 to 253 V
- Output: DC 24 V, 6.9 A max

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**Data Terminal Equipment**

- NDZ-227
- Memory Backup: 24 hours or more
- Power Supply: DC 24V
- Power Consumption: 0.9A

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**Printer**

- NKG-800
- Line Interface: Parallel
- Power Supply: DC 24V (+19.2V to +31.2V)
- Power Consumption: Approx. 35W

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**Power Supply**

- NBD-843A
- Line Voltage: AC 100/200 V, DC 24V
- Line Voltage Selection: AC 90 to 126.5/180 to 253 V
- Output: DC 24 V, 6.9 A max

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**Dimensions**

- Internally Mounted Equipment (IME): NTF-781GM
- Externally Mounted Equipment (EME): NAF-741GM (including pole mounting bracket)

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**Configuration**

- Switching Power Supply
- Security Buttons (4 Max.): NQE-3154
- External Buzzers (4 Max.): NCE-6255A
- External Data Terminal: NDZ-227
- Remote Data Terminal: NDZ-227
- DTE Mounting Bracket: MPBP31721
- Keyboard for remote data terminal: NDF-369
- Remote Distress Button: NQE-887C
- Buzzer Box: NCE-6255A
- Remote data terminal: NDZ-227
- DC 24 V, 6.9 A max

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**Additional Information**

- Specifications may be subject to change without notice.

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**Contact Information**

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- Main Office: Fujisawa Higashinaka, Fujisawa City, Kanagawa, Japan
- Telephone: +81-468-81-1818
- Fax: +81-468-81-1819
- Overseas Branches:
  - Seattle, Amsterdam, Athens, Miami

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**Dimensions and Mass**

- JUE-85 Inmarsat C – dimensions and mass
- Name: Inmarsat C Mobile Earth Station
- Model: JUE-85
- Inmarsat type approved
- Class of Inmarsat C MES Class 2
- Internally Mounted Equipment (IME) and Externally Mounted Equipment (EME)
  - IME: NTF-781GM
  - EME: NAF-741GM (including pole mounting bracket)
- Frequency:
  - TX: 1626.5 MHz - 1646.5 MHz
  - RX: 1530.0 MHz - 1545.0 MHz
  - GPS 1575.2 MHz ±1 MHz
- Channel Spacing: 5 KHz
- G/T: -23.7 dB/K minimum
- Modulation: 1200 symbols/sec BPSK
- Data Rate: 600 bps
- Antenna Type: Helical, Pattern: Hemisphere, Polarization: Right-hand circular
- Power Supply: DC 24V (+19.2V to +31.2V)
- Ambience Condition:
  - EME: -35°C to +55°C
  - IME: -15°C to +55°C
- Storage Temperature: -40°C to +80°C
- Relative Humidity: +40°C up to 95%
- Line Interface: Parallel
- Power Supply: DC 24V (+19.2V to +31.2V)
- Power Consumption: Approx. 35W
- Line Voltage: AC 100/200 V, DC 24V
- Line Voltage Selection: AC 90 to 126.5/180 to 253 V
- Output: DC 24 V, 6.9 A max
JUE-85 Inmarsat C for GMDSS

High reliability system
Compact design
Single coax installation
Optional Ship Security Alert System (SSAS)
LRIT integrated as standard

- JRC introduces a dedicated two-way Inmarsat C global data communication solution

**JUE-85 Inmarsat C – specifications**

**Name**
Name: Inmarsat C Mobile Earth Station
Model: JUE-85
Inmarsat type approved
Class of Inmarsat C: MES Class 2

**Internally Mounted Equipment (IME) and Externally Mounted Equipment (EME)**
Model – IME: NTF-781GM
Model – EME: NAF-741GM (including pole mounting bracket)

**Frequency**
Frequency range:
TX: 1626.5MHz - 1646.5MHz
RX: 1530.0MHz - 1545.0MHz
GPS: 1575.2 MHz ±1MHz

**Channel spacing**
Channel spacing: 5KHz

**G/T**
G/T: −23.7dB/K minimum

**E.I.R.P.**
E.I.R.P.: within 14 ±2dBW (at 5º angle)

**Modulation TX and RX**
Modulation: 1200 symbols/sec BPSK

**Data rate TX and RX**
Data rate: 600bps

**Antenna type**
Antenna type: helical, pattern: hemisphere, polarisation: right hand circular

**Power supply voltage**
Power supply voltage: DC 24V (+19.2V to +31.2V)

**Power consumption**
- Transmission: 100W
- Standby time: 15W

**Ambient condition**
- EME: −35°C to +55°C
- IME: −15°C to +55°C

**Storage temperature**
- −40°C to +80°C

**Relative humidity**
+40ºC up to 95%

**Icing**
- Up to 25mm (EME)

**Precipitation**
- 100mm/hour (EME)

**Wind**
- Up to 100 knots

**Vibration**
- As specified by Inmarsat

**Data Terminal Equipment (DTE)**
Model: NDZ-227
Memory backup: 24 hours or more

**Power supply**
Power supply voltage: DC 24V

**Printer**
Model: NKG-800
Line interface: parallel

**Power supply**
Power supply voltage: DC 24V (+19.2V to +31.2V)

**Power consumption**
Approx. 35W

**Power supply**
Model: NBD-843A
Line voltage: AC 100/200 V, DC 24V

**Output DC**
DC 24V, 6.9A max

**Optional items**
- Remote distress button NQE-887C (for IMO vessels; 1 unit is required)
- Buzzer box NCE-6255A
- Remote data terminal NDZ-227
- DTE Mounting Bracket MPBP31721
- Keyboard for remote data terminal NDF-369
- Security button NQE-3154
- Junction box extension NQA-42871

**Mass**
- NKG-800: 3.7 kg
- NBD-843A: 8 kg
- NTF-781GM: 1.3 kg
- NAF-741GM: 1.5 kg

**Configuration**

- JRC introduces a dedicated two-way Inmarsat C global data communication solution

**High reliability system**
- Compact design
- Single coax installation
- Optional Ship Security Alert System (SSAS)
- LRIT integrated as standard

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