

TYPICAL INDICATOR ORDERING EXAMPLE

YB

04

K

W01

—

12

—

FB

Shapes

Bushing Mounting

|    |             |
|----|-------------|
| 01 | Square      |
| 02 | Round       |
| 03 | Rectangular |

Snap-in Mounting

|    |             |
|----|-------------|
| 04 | Square      |
| 05 | Round       |
| 06 | Rectangular |

Panel Seal

|         |                                      |
|---------|--------------------------------------|
| No Code | Without Panel Seal                   |
| W       | With Panel Seal (Bushing Mount only) |

Housing

|   |            |
|---|------------|
| K | Black only |
|---|------------|

Terminals

|     |                                                |
|-----|------------------------------------------------|
| W01 | Silver Solder Lug/.110" (2.8mm) Quick Connect* |
|-----|------------------------------------------------|

Lamps

Incandescent Lamp

|    |         |
|----|---------|
| 05 | 5-volt  |
| 12 | 12-volt |

Bright LED

| LED Colors |       | Resistor |             |
|------------|-------|----------|-------------|
| 5C         | Red   | No Code  | No Resistor |
| 5D         | Amber | 05       | 5-volt      |
|            |       | 12       | 12-volt     |
| 5F         | Green | 24       | 24-volt     |

Super Bright LED

|    |       |
|----|-------|
| 6B | White |
| 6F | Green |
| 6G | Blue  |

Bicolor LED

| LED Colors |           | Forward Voltage |                      |
|------------|-----------|-----------------|----------------------|
|            |           | 02              | 2-volt (no resistor) |
| 2CF        | Red/Green | 05              | 5-volt               |
|            |           | 12              | 12-volt              |
|            |           | 24              | 24-volt              |

Cap Types & Colors

Solid Cap: Lens/Insert Colors

|    |              |
|----|--------------|
| BB | White/White  |
| CB | Red/White    |
| EB | Yellow/White |
| FB | Green/White  |
| GB | Blue/White   |

LED Cap: Lens/Insert Colors

|    |             |
|----|-------------|
| JB | Clear/White |
| JC | Clear/Red   |
| JD | Clear/Amber |
| JF | Clear/Green |

LED Cap: Lens/Insert Colors

|    |             |
|----|-------------|
| JB | Clear/White |
|----|-------------|

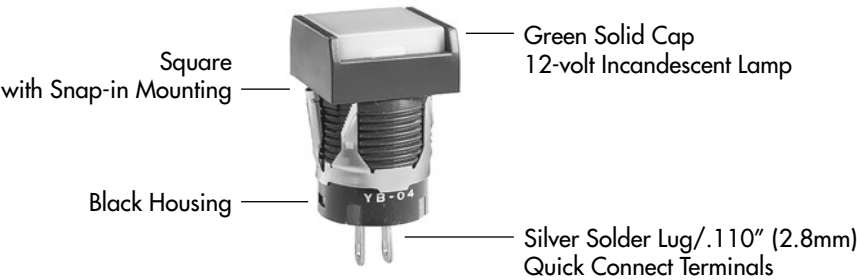
LED Cap: Lens/Insert Colors

|    |             |
|----|-------------|
| JB | Clear/White |
|----|-------------|

\* Wire harness & cable assemblies offered only in Americas

DESCRIPTION FOR TYPICAL ORDERING EXAMPLE

YB04KW01-12-FB



SHAPES & MOUNTING TYPES

Bushing Mounting

Snap-in Mounting

01 Square

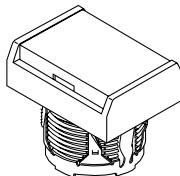
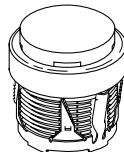
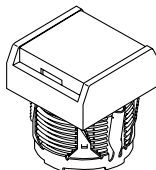
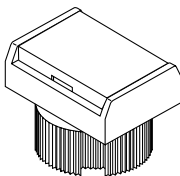
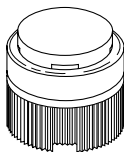
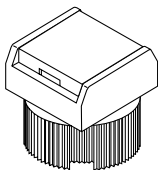
02 Round

03 Rectangular

04 Square

05 Round

06 Rectangular



Bezel-barrier is an integral part of the indicator body.

PANEL SEAL

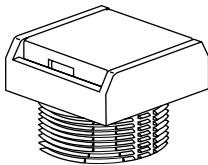
No Code

Without Panel Seal

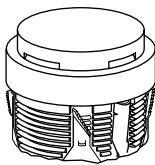
W

With Panel Seal

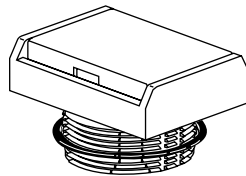
Bushing Mounting



Snap-in Mounting



Bushing Mounting only



Supplied with mounting nut.

Supplied with mounting nut and o-ring AT089.

INCANDESCENT LAMP & SOLID CAP

The electrical specifications shown are determined at a basic temperature of 25°C.  
If the source voltage exceeds the rated voltage, a ballast resistor is required.  
The resistor value can be calculated by using the formula in the Supplement section.

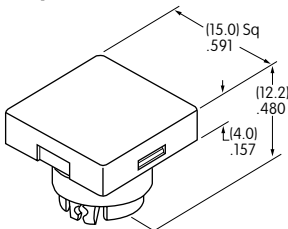
|                                                                                                   |                           |       |               |        |
|---------------------------------------------------------------------------------------------------|---------------------------|-------|---------------|--------|
| <br>T-1 Bi-pin | AT611                     |       | 05            | 12     |
|                                                                                                   | Voltage                   | V     | 5V AC         | 12V AC |
|                                                                                                   | Current                   | I     | 115mA         | 60mA   |
|                                                                                                   | MSCP                      |       | .150          | .150   |
|                                                                                                   | Endurance                 | Hours | 7,000 average |        |
|                                                                                                   | Ambient Temperature Range |       | -25°C ~ +50°C |        |

Solid Cap for Incandescent Lamp

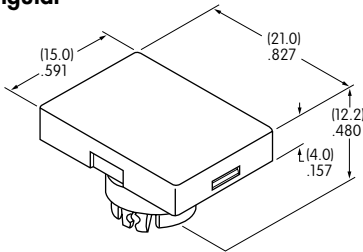
Lens/Insert Colors Available:

- BB White/White
- CB Red/White
- EB Yellow/White
- FB Green/White
- GB Blue/White

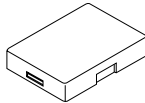
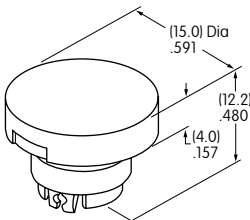
AT3001 Square



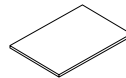
AT3003 Rectangular



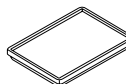
AT3002 Round



Translucent Colored Lens



Translucent White Insert



Translucent White Seal/Filter



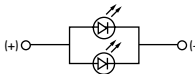
Incandescent Lamp AT611

Materials: Polycarbonate (Lens & Insert)  
Thermoplastic Elastomer (Seal/Filter)  
Finish: Glossy

BRIGHT LEDS & LED CAPS

The electrical specifications shown are determined at a basic temperature of 25°C.  
If the source voltage exceeds the rated voltage, a ballast resistor is required.  
The resistor value can be calculated by using the formula in the Supplement section.

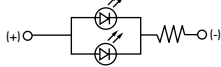
Electrical Specifications for Bright LED without Resistor

|                                                                                                                                                                                                                                             |                                                                                                                   |              |           |     |     |       |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|--------------|-----------|-----|-----|-------|
| <div>Bright<br/>AT628</div> <div></div> <div></div> <div>T-1 Bi-pin</div> | <b>Colors Available:</b> <div>5C Red</div> <div>5D Amber</div> <div>5F Green</div> <div>No Code No Resistor</div> | Unit         |           |     |     |       |
|                                                                                                                                                                                                                                             | Forward Peak Current                                                                                              | $I_{FM}$     | 40        | 40  | 40  | mA    |
|                                                                                                                                                                                                                                             | Continuous Forward Current                                                                                        | $I_F$        | 26        | 26  | 26  | mA    |
|                                                                                                                                                                                                                                             | Forward Voltage                                                                                                   | $V_F$        | 1.9       | 2.0 | 2.0 | V     |
|                                                                                                                                                                                                                                             | Reverse Peak Voltage                                                                                              | $V_{RM}$     | 4         | 4   | 4   | V     |
|                                                                                                                                                                                                                                             | Current Reduction Rate Above 25°C                                                                                 | $\Delta I_F$ | 0.50      |     |     | mA/°C |
|                                                                                                                                                                                                                                             | Ambient Temperature Range                                                                                         |              | -25 ~ +50 |     |     | °C    |

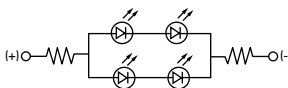
Electrical Specifications for Bright LED with Resistor

|                                                                                                                                                  |                                   |                   |                     |                     |               |               |               |       |
|--------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|-------------------|---------------------|---------------------|---------------|---------------|---------------|-------|
| <div>Bright<br/>AT634</div> <div></div> <div>T-1¼ Bi-pin</div> | Colors Available:                 | <div>5C</div> Red | <div>5D</div> Amber | <div>5F</div> Green | <div>05</div> | <div>12</div> | <div>24</div> | Unit  |
|                                                                                                                                                  | Forward Peak Current              | $I_{FM}$          | —                   | —                   | —             | —             | —             | mA    |
|                                                                                                                                                  | Continuous Forward Current        | $I_F$             | 25                  | 20                  | 10            | —             | —             | mA    |
|                                                                                                                                                  | Forward Voltage                   | $V_F$             | 5                   | 12                  | 24            | —             | —             | V     |
|                                                                                                                                                  | Reverse Peak Voltage              | $V_{RM}$          | 4                   | 8                   | 16            | —             | —             | V     |
|                                                                                                                                                  | Current Reduction Rate Above 25°C | $\Delta I_F$      | —                   | —                   | —             | —             | —             | mA/°C |
|                                                                                                                                                  | Ambient Temperature Range         |                   | -25 ~ +50           |                     |               |               |               | °C    |

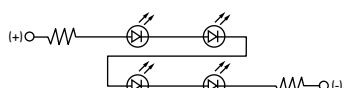
AT634  
5-volt,  
2-element  
with Resistor



AT634  
12-volt,  
4-element  
with Resistor



AT634  
24-volt,  
4-element  
with Resistor

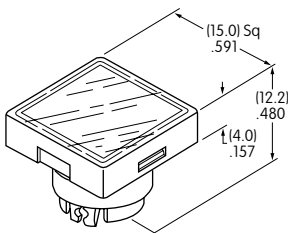


Cap for Bright LED

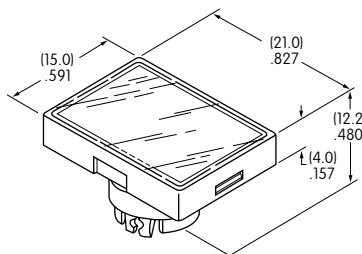
Lens/Insert  
Colors Available:

- JB** Clear/White
- JC** Clear/Red
- JD** Clear/Amber
- JF** Clear/Green

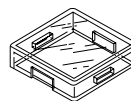
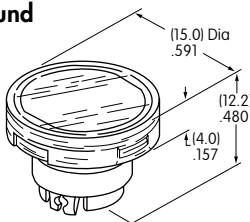
**AT3004**  
Square



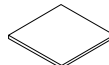
**AT3006**  
Rectangular



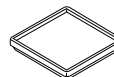
**AT3005**  
Round



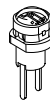
Transparent Clear Lens



Translucent Colored Insert



Translucent White Seal/Diffuser

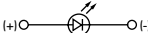


Bright LEDs  
AT628 AT634

Materials: Polycarbonate (Lens & Insert)  
Thermoplastic Elastomer (Seal/Diffuser)  
Finish: Glossy

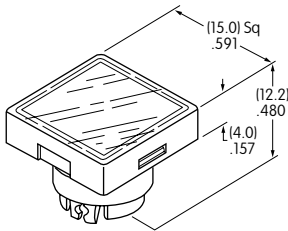
SUPER BRIGHT LEDS & LED CAPS

The electrical specifications shown are determined at a basic temperature of 25°C.  
If the source voltage exceeds the rated voltage, a ballast resistor is required.  
The resistor value can be calculated by using the formula in the Supplement section.

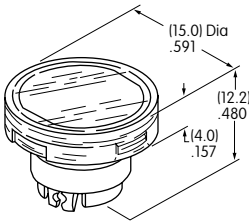
|                                                                                                                                                                                              |                                                                                                                                                                                                              |                                |                                |                               |      |       |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|--------------------------------|-------------------------------|------|-------|
| <div>Super Bright<br/>AT625G Blue<br/>AT631B White<br/>AT632F Green</div> <div></div> <div>T-1 Bi-pin</div> | <div></div> <div></div> <div>Colors:</div> | <div>6B</div> <div>White</div> | <div>6F</div> <div>Green</div> | <div>6G</div> <div>Blue</div> | Unit |       |
|                                                                                                                                                                                              | Forward Peak Current                                                                                                                                                                                         | $I_{FM}$                       | 30                             | 30                            | 30   | mA    |
|                                                                                                                                                                                              | Continuous Forward Current                                                                                                                                                                                   | $I_F$                          | 20                             | 20                            | 20   | mA    |
|                                                                                                                                                                                              | Forward Voltage                                                                                                                                                                                              | $V_F$                          | 3.6                            | 3.5                           | 3.6  | V     |
|                                                                                                                                                                                              | Reverse Peak Voltage                                                                                                                                                                                         | $V_{RM}$                       | 5                              | 5                             | 5    | V     |
|                                                                                                                                                                                              | Current Reduction Rate Above 25°C                                                                                                                                                                            | $\Delta I_F$                   | 0.50                           |                               |      | mA/°C |
|                                                                                                                                                                                              | Ambient Temperature Range                                                                                                                                                                                    |                                | -25 ~ +50                      |                               |      | °C    |

Cap for Super Bright LED

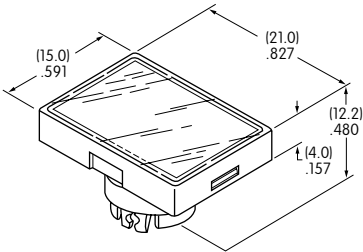
AT3014  
Square



AT3015  
Round



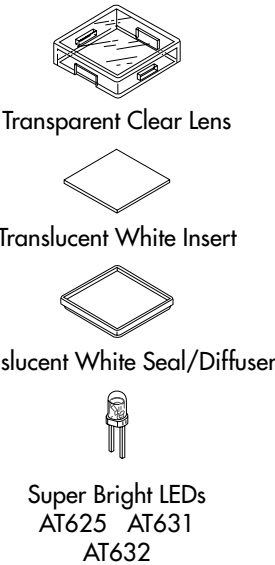
AT3016  
Rectangular



Lens/Insert  
Colors Available:

JB

 Clear/White

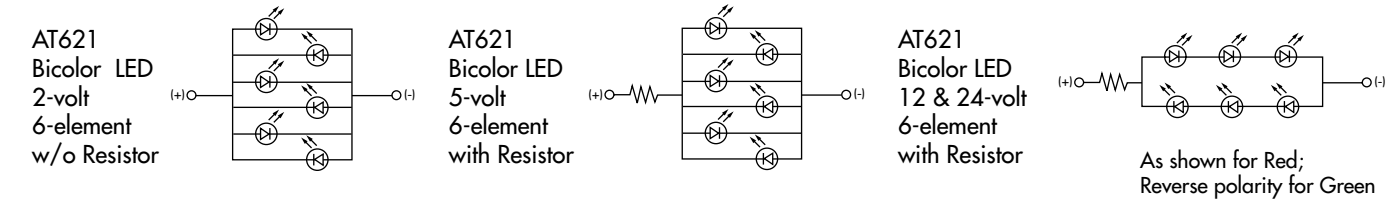


Materials: Polycarbonate (Lens & Insert)  
Thermoplastic Elastomer (Seal/Diffuser)

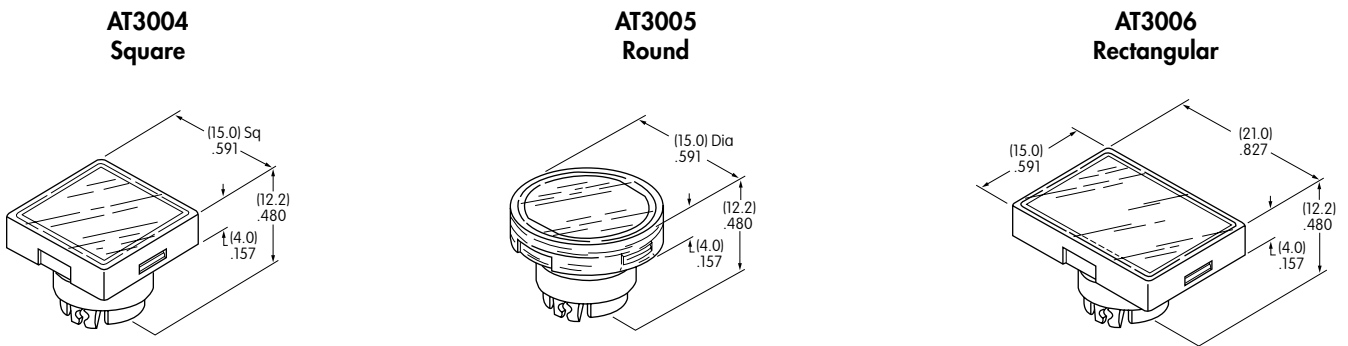
BICOLOR LED & LED CAPS

The electrical specifications shown are determined at a basic temperature of 25°C.  
If the source voltage exceeds the rated voltage, a ballast resistor is required.  
The resistor value can be calculated by using the formula in the Supplement section.

|                                                                                                                                                                |                                                |           |      |      |      |       |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|-----------|------|------|------|-------|
| <b>Bicolor AT621</b><br><div><div>2CF</div>Red/Green</div> <br>T-1 1/2 Bi-pin | Bicolor LED is translucent white in OFF state. | 02        | 05   | 12   | 24   | Unit  |
|                                                                                                                                                                | Forward Peak Current $I_{FM}$                  | 60        | 60   | 20   | 12   | mA    |
|                                                                                                                                                                | Continuous Forward Current $I_F$               | 45        | 45   | 15   | 10   | mA    |
|                                                                                                                                                                | Forward Voltage $V_F$                          | 2.1       | 5    | 12   | 24   | V     |
|                                                                                                                                                                | Current Reduction Rate Above 25°C $\Delta I_F$ | 0.80      | ---- | ---- | ---- | mA/°C |
|                                                                                                                                                                | Ambient Temperature Range                      | -25 ~ +50 |      |      |      | °C    |



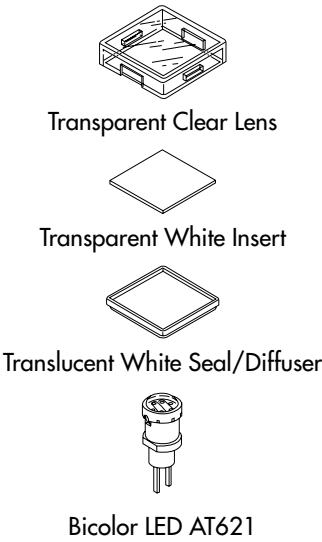
LED Caps



Lens/Insert  
Colors Available:

JB

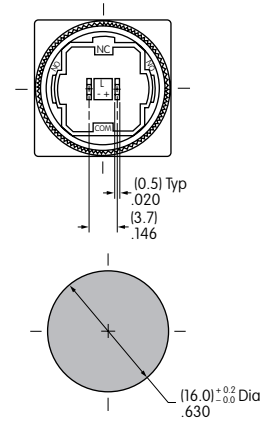
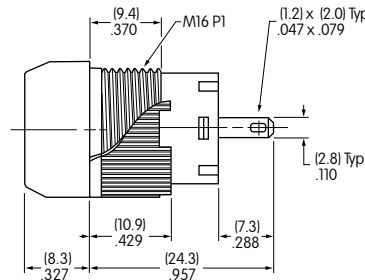
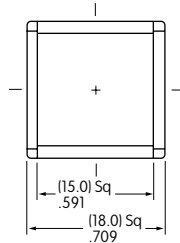
Clear/White



Materials: Polycarbonate (Lens & Insert)  
Thermoplastic Elastomer (Seal/Diffuser)

### TYPICAL INDICATOR DIMENSIONS

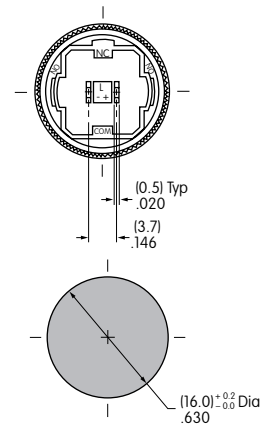
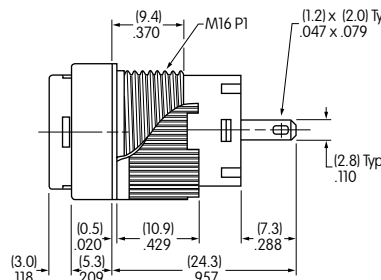
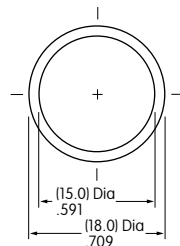
#### Square • Bushing Mounting



**YB01KW01-12-CB**

Panel Thickness  
.020" ~ .197" (0.5mm ~ 5.0mm)

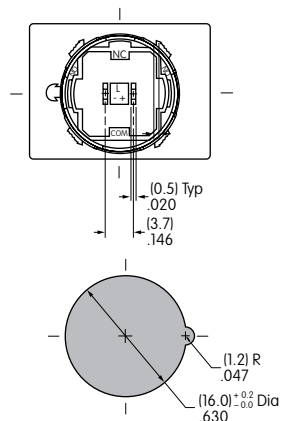
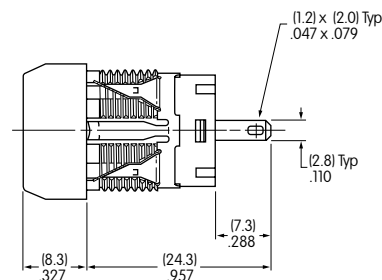
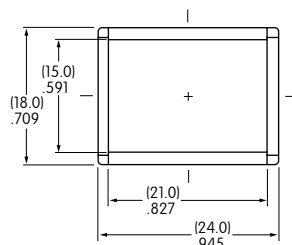
#### Round • Panel Seal



**YB02WKW01-12-CB**

Panel Thickness  
.020" ~ .197" (0.5mm ~ 5.0mm)

#### Rectangular • Snap-in Mounting



**YB06KW01-12-CB**

Panel Thickness  
.039" ~ .138" (1.0mm ~ 3.5mm)

Компания «Океан Электроники» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Поставка оригинальных импортных электронных компонентов напрямую с производств Америки, Европы и Азии, а так же с крупнейших складов мира;
- Широкая линейка поставок активных и пассивных импортных электронных компонентов (более 30 млн. наименований);
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Помощь Конструкторского Отдела и консультации квалифицированных инженеров;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Поставка электронных компонентов под контролем ВП;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- При необходимости вся продукция военного и аэрокосмического назначения проходит испытания и сертификацию в лаборатории (по согласованию с заказчиком);
- Поставка специализированных компонентов военного и аэрокосмического уровня качества (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Actel, Aeroflex, Peregrine, VPT, Syfer, Eurofarad, Texas Instruments, MS Kennedy, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Компания «Океан Электроники» является официальным дистрибьютором и эксклюзивным представителем в России одного из крупнейших производителей разъемов военного и аэрокосмического назначения «JONHON», а так же официальным дистрибьютором и эксклюзивным представителем в России производителя высокотехнологичных и надежных решений для передачи СВЧ сигналов «FORSTAR».



## JONHON

«JONHON» (основан в 1970 г.)

Разъемы специального, военного и аэрокосмического назначения:

(Применяются в военной, авиационной, аэрокосмической, морской, железнодорожной, горно- и нефтедобывающей отраслях промышленности)

«FORSTAR» (основан в 1998 г.)

ВЧ соединители, коаксиальные кабели,  
кабельные сборки и микроволновые компоненты:

(Применяются в телекоммуникациях гражданского и специального назначения, в средствах связи, РЛС, а так же военной, авиационной и аэрокосмической отраслях промышленности).



Телефон: 8 (812) 309-75-97 (многоканальный)

Факс: 8 (812) 320-03-32

Электронная почта: [ocean@oceanchips.ru](mailto:ocean@oceanchips.ru)

Web: <http://oceanchips.ru/>

Адрес: 198099, г. Санкт-Петербург, ул. Калинина, д. 2, корп. 4, лит. А