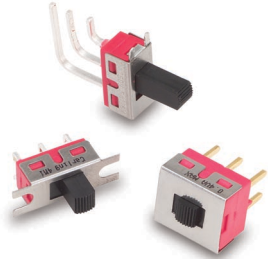


### 4S1 & 4SS-Series

Sub-Miniature & **Sealed** Sub-Miniature Slide Switches



### 4M1-Series

Miniature Slide Switch

### Specifications

Contact Rating . . . . . refer to ordering scheme  
 Electrical Life . . . . . 30,000 make & break cycles at full load  
 Contact Resistance. . . . . 10 mΩ max. initial @ 2-4 VDC  
 100mA for both silver & gold plated contacts.  
 Insulation Resistance . . . . 1000 MΩ min.  
 Dielectric Strength . . . . . 1500 Volts RMS @ sea level  
 Operating Temperature . . . -30°C to +85°C  
 Solder Heat Resistance. . . MIL-STD-202, Method 210  
 Actuator Travel . . . . . 25°

### Materials

Case . . . . . Diallyl phthalate (DAP) (UL 94V-0)  
 Slide Handle. . . . . Nylon  
 Housing. . . . . Stainless Steel  
 Terminal Seal . . . . . Epoxy

### 4S1-Series Ordering Scheme



<b>1 SERIES</b> <b>4S1</b> Sub-Miniature Slide Switch																
<b>2 POLES</b> <b>FSP</b> single pole																
<b>3 CIRCUIT</b> <table style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="4" style="text-align: center;"><b>Switching Position:</b></td> </tr> <tr> <td style="width: 10%;"></td> <td style="width: 15%;">2-1</td> <td style="width: 25%;">OPEN</td> <td style="width: 10%;">2-3</td> </tr> <tr> <td style="text-align: center;"><b>1</b></td> <td>ON</td> <td>NONE</td> <td>ON</td> </tr> <tr> <td style="text-align: center;"><b>3</b></td> <td>ON</td> <td>OFF</td> <td>ON</td> </tr> </table>	<b>Switching Position:</b>					2-1	OPEN	2-3	<b>1</b>	ON	NONE	ON	<b>3</b>	ON	OFF	ON
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<b>1</b>	ON	NONE	ON													
<b>3</b>	ON	OFF	ON													
<b>4 TERMINATION</b> <b>M2</b> PCB <b>M6</b> PC Mount, 90° horizontal																

<b>5 CONTACT</b>														
	<i>Material</i>	<i>Terminal Plating</i>												
<b>G</b>	silver <sup>1</sup>	gold over silver <sup>3</sup>												
<b>K</b>	gold <sup>2</sup>	tin-lead <sup>4</sup>												
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<b>6 EPOXY SEAL</b> <b>E</b> epoxy seal														
<b>7 PACKAGING</b> Switches are bulk packed, unless T/R is specified at the end of the part number. <b>T/R</b> tape reel - 500 pieces per reel														

### 4SS-Series Ordering Scheme

<b>4SS</b>	-	<b>FSP</b>	-	<b>1</b>	-	<b>M6</b>	<b>G</b>	<b>E</b>	
1 Series		2 Poles		3 Circuit		4 Termination	5 Contact	6 Seal	7 Packaging

<b>1 SERIES</b> 4SS Sealed Sub-Miniature Slide Switch												
<b>2 POLES</b> FSP single pole												
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1	ON	NONE	ON									
3	ON	OFF	ON									
<b>4 TERMINATION</b> Termination options for switches with brick color actuators												
M2 PCB												
M6 PC Mount, 90° horizontal												
M7 PC Mount, 90° vertical												
Termination options for switches with white color actuators												
L6 Surface Mount, 90° flat												
S6 Surface Mount, 90° horizontal												
S7 Surface Mount, 90° vertical												

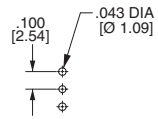
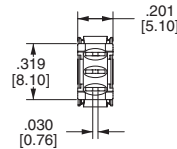
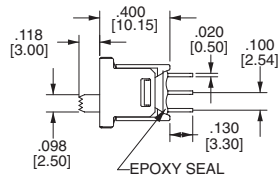
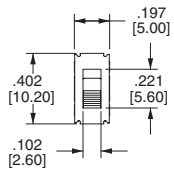
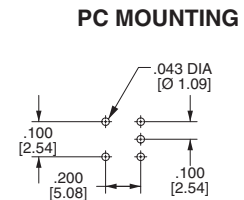
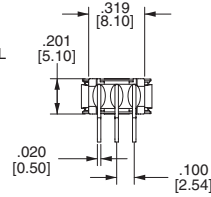
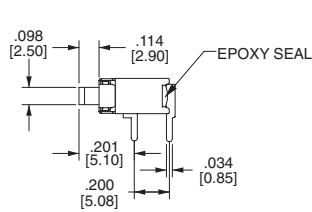
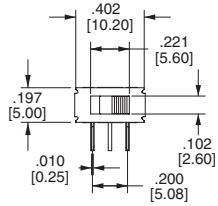
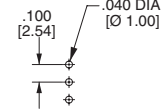
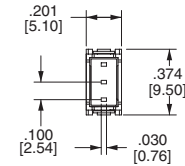
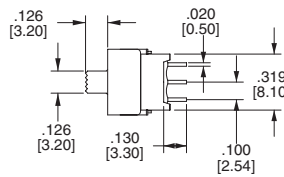
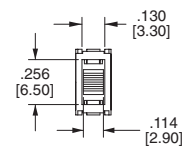
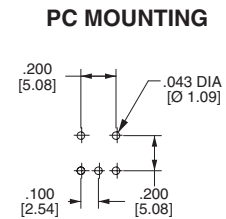
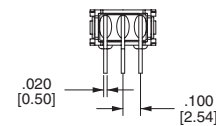
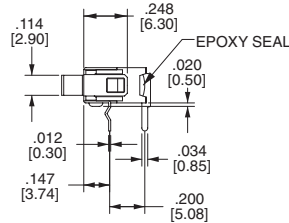
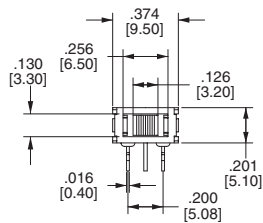
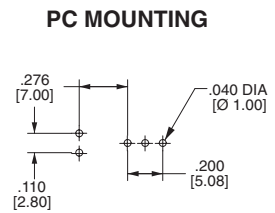
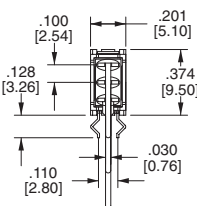
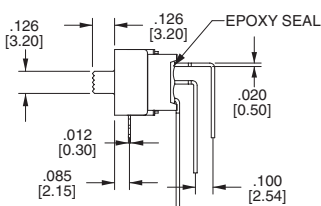
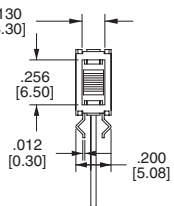
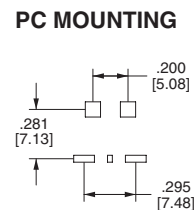
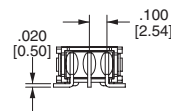
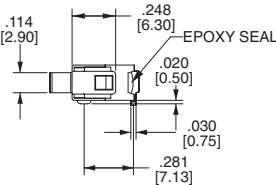
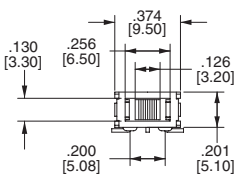
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### 4M1-Series Ordering Scheme

<b>4M1</b>	-	<b>SSP</b>	-	<b>3</b>	-	<b>S1</b>	/	<b>2</b>	-	<b>M6</b>	<b>Q</b>	<b>E</b>
1 Series		2 Poles		3 Circuit		4 Actuator		5 Actuator Color		6 Termination	7 Contact	8 Seal

<b>1 SERIES</b> 4M1 Miniature Slide Switch												
<b>2 POLES</b> SSP single pole    SDP double pole												
<b>3 CIRCUIT</b> <b>Switching Position</b>												
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<b>4 ACTUATOR</b>												
S1 .201 [5.10] high												
S2 .285 [7.25] high												
S3 .370 [9.40] high												
S4 .140 [3.55] high												
S5 .053 [1.35] high (for DPDT only)												
S6 .482 [12.25] high												
S7 .311 [7.90] high												
T1 .201 [5.10] high (for DPDT only)												
<b>5 ACTUATOR COLOR<sup>1</sup></b>												
1 white       3 red                      5 yellow           7 blue                      9 gray												
2 black      4 orange                      6 green              8 brown												
1 White, black & red are standard. Other colors available for quantities of 5K or more.												

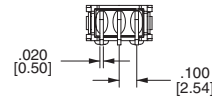
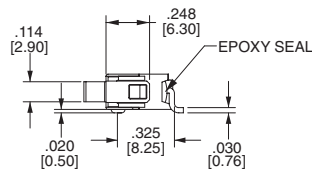
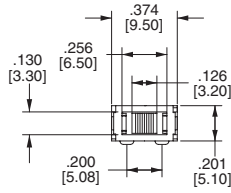
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E epoxy seal																								

**4S-Series Dimensional Specifications: in. [mm]**
**4S1-Series**
**TERMINATION**
**PC MOUNTING**
**M2**

**M6**

**4SS-Series**
**TERMINATION**
**PC MOUNTING**
**M2**

**M6**

**M7**

**L6**


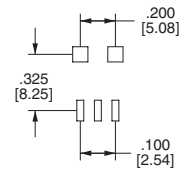
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**TERMINATION**

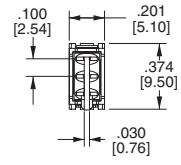
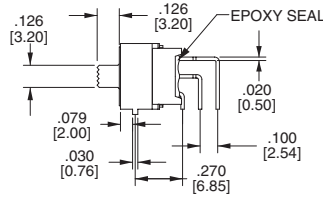
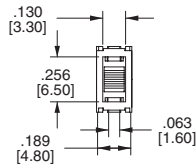
**S6**



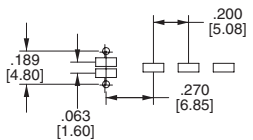
**PC MOUNTING**



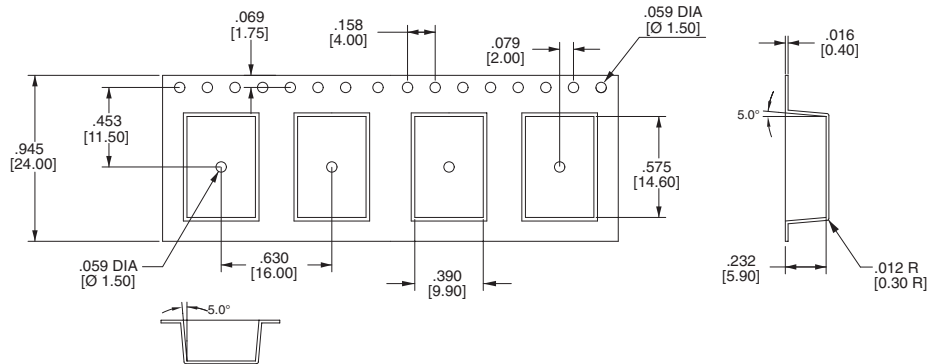
**S7**



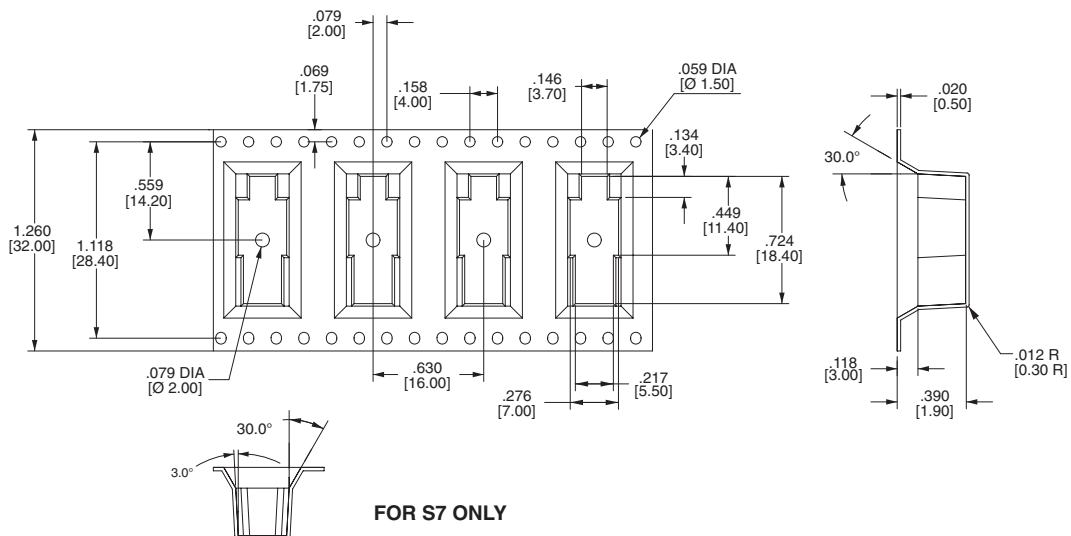
**PC MOUNTING**



**REEL TAPING**



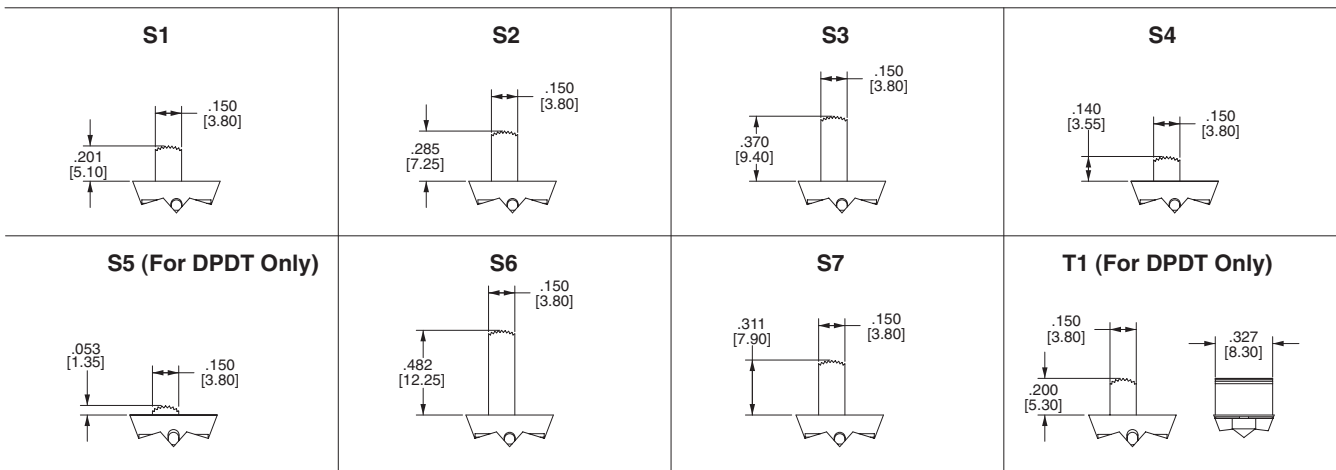
**FOR S6, L6 ONLY**



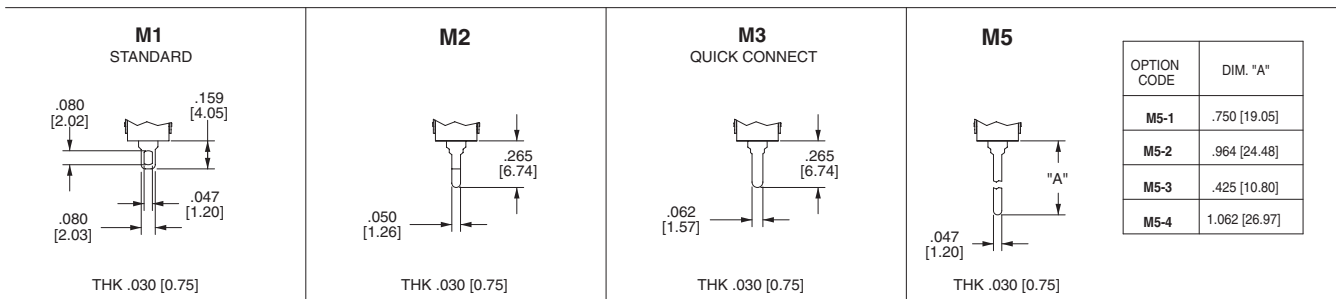
**FOR S7 ONLY**

## 4M1-Series Dimensional Specifications: in. [mm]

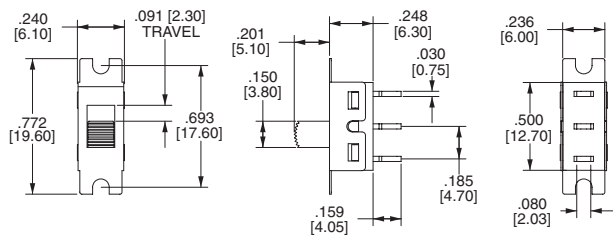
### ACTUATOR



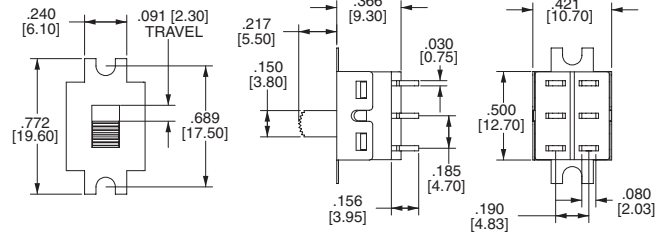
### TERMINATION



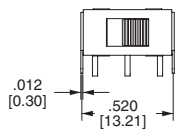
### SINGLE POLE



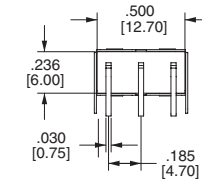
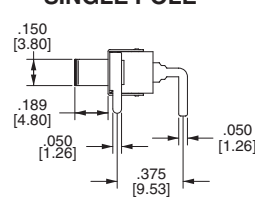
### DOUBLE POLE



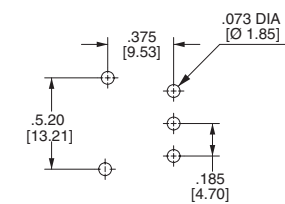
### M6



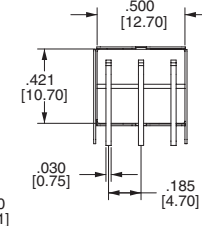
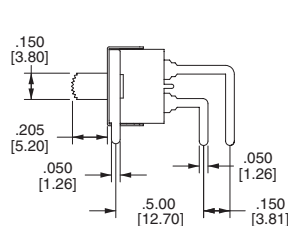
### SINGLE POLE



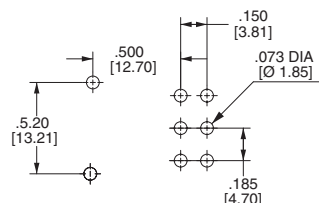
### PC MOUNTING



### DOUBLE POLE



### PC MOUNTING



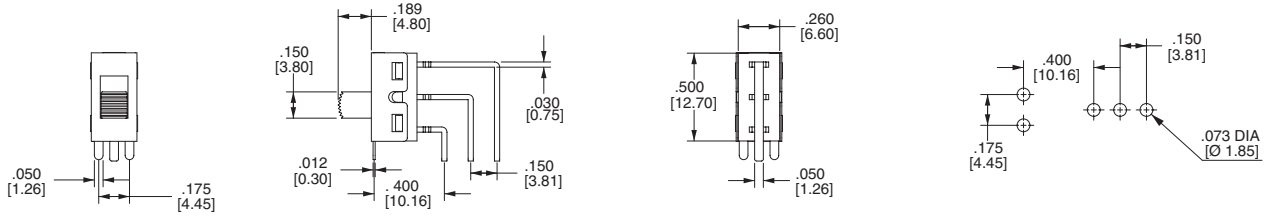
**4M1-Series Dimensional Specifications: in. [mm]**

**TERMINATION**

**M7**

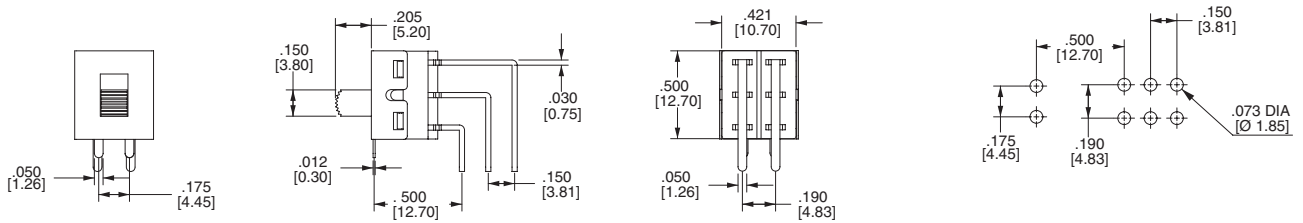
**SINGLE POLE**

**PC MOUNTING**



**DOUBLE POLE**

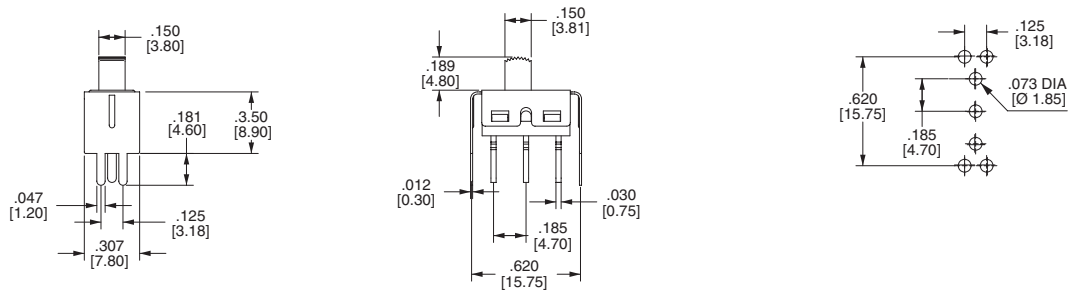
**PC MOUNTING**



**VS2**

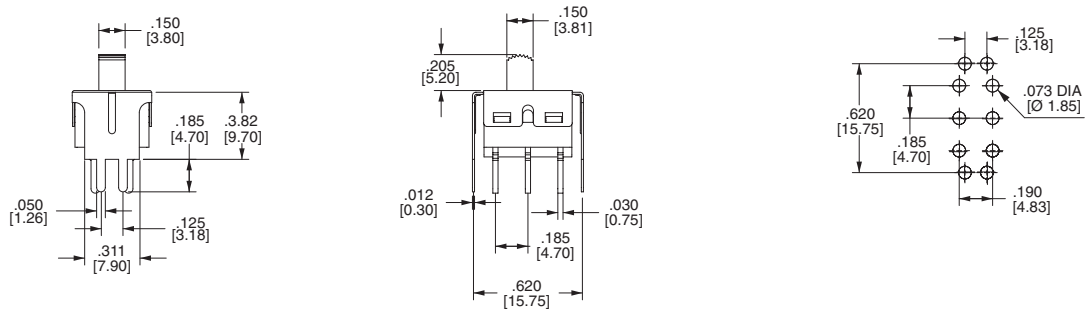
**SINGLE POLE**

**PC MOUNTING**



**DOUBLE POLE**

**PC MOUNTING**



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).



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