

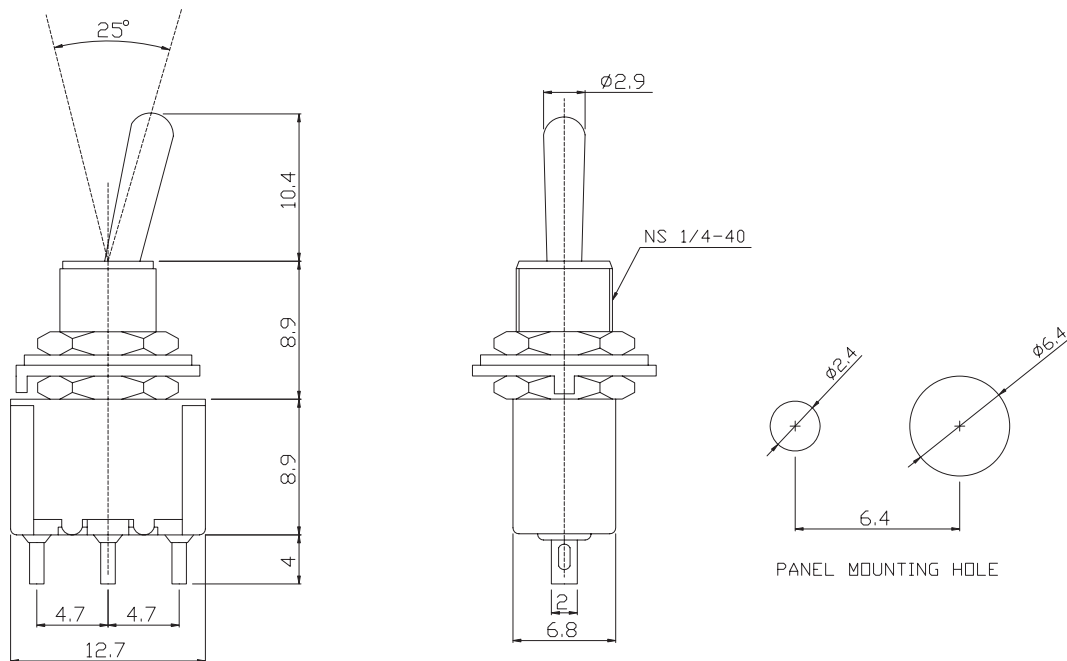
# Switch

## Toggle Switch Series

### ETC7-MS-102-A1 Miniature Toggle Switch Series

#### SPECIFICATIONS

Rating: 5A 125VAC; 2A 250VAC  
 Contact Resistance: 20MΩ max  
 Insulation Resistance: 500V DC 1000MΩ Min  
 Dielectric Strength: 1500V AC 1 Minute  
 Operating Temperature: -55°C~+85°C  
 Electrical Life :20,000 cycles



## ORDER INFORMATION

|                                                |       |      |      |   |   |   |                                                                                   |
|------------------------------------------------|-------|------|------|---|---|---|-----------------------------------------------------------------------------------|
| Part Number                                    | ETC7- | MS-1 | 02-A | 1 | X | X |                                                                                   |
| MS: Miniature Toggle Switch Series             |       |      |      |   |   |   |                                                                                   |
| POLES: 1=Single Pole<br>2=Double Pole          |       |      |      |   |   |   |                                                                                   |
| CIRCUIT: 01=ON-OFF<br>02=ON-ON<br>03=ON-OFF-ON |       |      |      |   |   |   |                                                                                   |
|                                                |       |      |      |   |   |   | BRACKET: T=With Bracket None=Without Bracket                                      |
|                                                |       |      |      |   |   |   | Handle Cap Type: R=Red B=Black W=White<br>Y=Yellow G=Green BL=Blue                |
|                                                |       |      |      |   |   |   | Terminal Type: 1=Solder terminal 2=Pc terminal<br>3=Pc-H terminal 4=Pc-V terminal |
|                                                |       |      |      |   |   |   | Handle Type: A=Standard C=Short                                                   |

All specification & dimensions are subject to change, please call your nearest ETC sales representative for update information

## Switch

### Toggle Switch Series

#### ETC7-MS-102-A2 Miniature Toggle Switch Series

#### SPECIFICATIONS

Rating: 5A 125VAC; 2A 250VAC

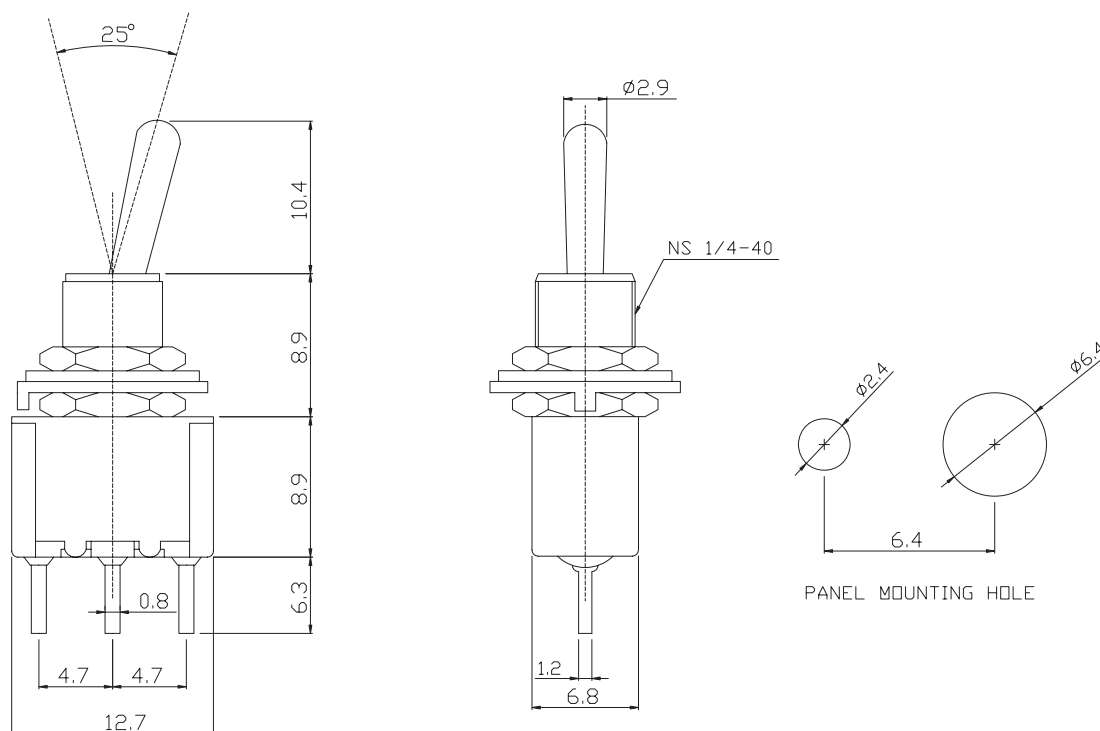
Contact Resistance: 20MΩ max

Insulation Resistance: 500V DC 1000MΩ Min

Dielectric Strength: 1500V AC 1 Minute

Operating Temperature: -55°C~+85°C

Electrical Life :20,000 cycles



### ORDER INFORMATION

|                                                |       |      |      |   |   |   |                                                                                   |
|------------------------------------------------|-------|------|------|---|---|---|-----------------------------------------------------------------------------------|
| Part Number                                    | ETC7- | MS-1 | 02-A | 2 | X | X |                                                                                   |
| MS: Miniature Toggle Switch Series             |       |      |      |   |   |   |                                                                                   |
| POLES: 1=Single Pole<br>2=Double Pole          |       |      |      |   |   |   |                                                                                   |
| CIRCUIT: 01=ON-OFF<br>02=ON-ON<br>03=ON-OFF-ON |       |      |      |   |   |   |                                                                                   |
|                                                |       |      |      |   |   |   | BRACKET: T=With Bracket None=Without Bracket                                      |
|                                                |       |      |      |   |   |   | Handle Cap Type: R=Red B=Black W=White<br>Y=Yellow G=Green BL=Blue                |
|                                                |       |      |      |   |   |   | Terminal Type: 1=Solder terminal 2=Pc terminal<br>3=Pc-H terminal 4=Pc-V terminal |
|                                                |       |      |      |   |   |   | Handle Type: A=Standard C=Short                                                   |

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# Switch

## Toggle Switch Series

### ETC7-MS-101-A1 Miniature Toggle Switch Series

#### SPECIFICATIONS

Rating: 5A 125VAC; 2A 250VAC

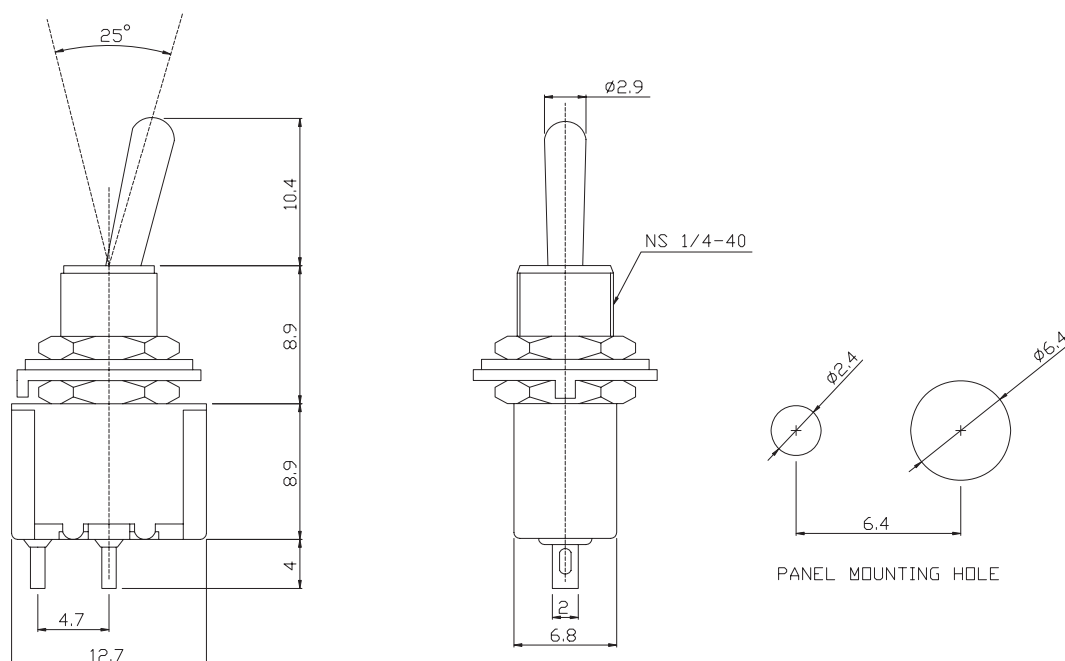
Contact Resistance: 20MΩ max

Insulation Resistance: 500V DC 1000MΩ Min

Dielectric Strength: 1500V AC 1 Minute

Operating Temperature: -55°C~+85°C

Electrical Life :20,000 cycles



## ORDER INFORMATION

|                                                |       |      |      |   |   |   |                                                                                   |
|------------------------------------------------|-------|------|------|---|---|---|-----------------------------------------------------------------------------------|
| Part Number                                    | ETC7- | MS-1 | 01-A | 1 | X | X |                                                                                   |
| MS: Miniature Toggle Switch Series             |       |      |      |   |   |   |                                                                                   |
| POLES: 1=Single Pole<br>2=Double Pole          |       |      |      |   |   |   |                                                                                   |
| CIRCUIT: 01=ON-OFF<br>02=ON-ON<br>03=ON-OFF-ON |       |      |      |   |   |   |                                                                                   |
|                                                |       |      |      |   |   |   | BRACKET: T=With Bracket None=Without Bracket                                      |
|                                                |       |      |      |   |   |   | Handle Cap Type: R=Red B=Black W=White<br>Y=Yello G=Green BL=Blue                 |
|                                                |       |      |      |   |   |   | Terminal Type: 1=Solder terminal 2=Pc terminal<br>3=Pc-H terminal 4=Pc-V terminal |
|                                                |       |      |      |   |   |   | Handle Type: A=Standard C=Short                                                   |

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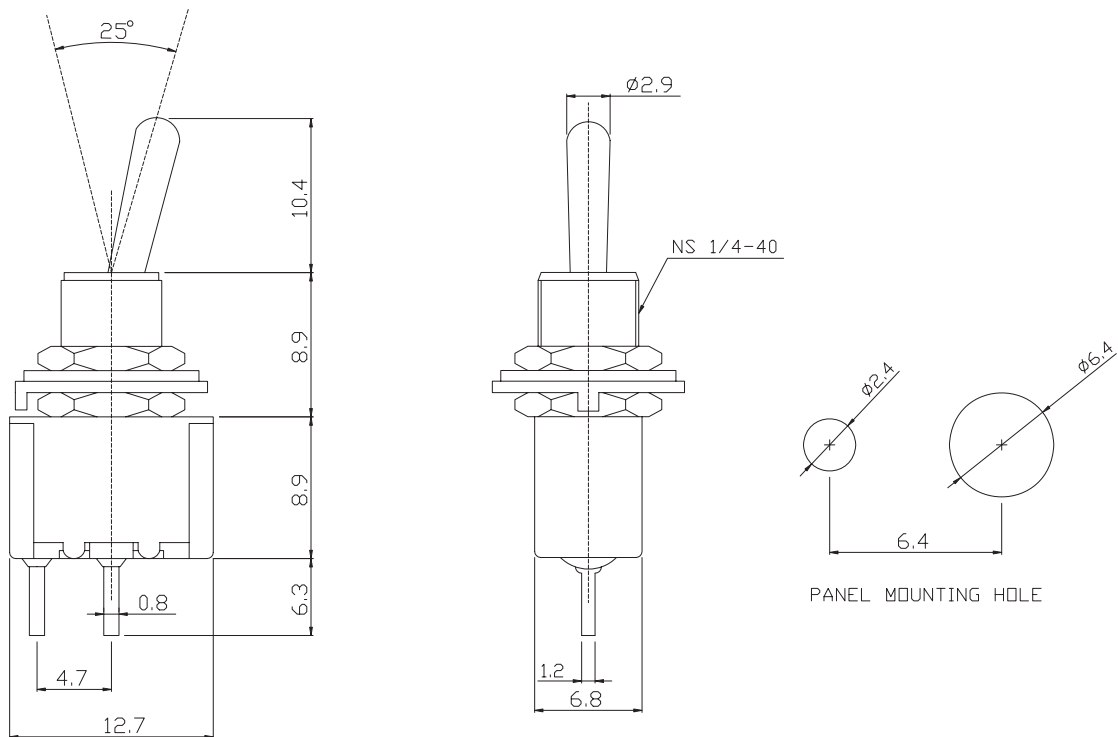
# Switch

## Toggle Switch Series

### ETC7-MS-101-A2 Miniature Toggle Switch Series

#### SPECIFICATIONS

Rating: 5A 125VAC; 2A 250VAC  
 Contact Resistance: 20MΩ max  
 Insulation Resistance: 500V DC 1000MΩ Min  
 Dielectric Strength: 1500V AC 1 Minute  
 Operating Temperature: -55°C~+85°C  
 Electrical Life :20,000 cycles



## ORDER INFORMATION

|                                                |       |      |      |   |   |   |                                                                                   |
|------------------------------------------------|-------|------|------|---|---|---|-----------------------------------------------------------------------------------|
| Part Number                                    | ETC7- | MS-1 | 01-A | 2 | X | X |                                                                                   |
| MS: Miniature Toggle Switch Series             |       |      |      |   |   |   |                                                                                   |
| POLES: 1=Single Pole<br>2=Double Pole          |       |      |      |   |   |   |                                                                                   |
| CIRCUIT: 01=ON-OFF<br>02=ON-ON<br>03=ON-OFF-ON |       |      |      |   |   |   |                                                                                   |
|                                                |       |      |      |   |   |   | BRACKET: T=With Bracket None=Without Bracket                                      |
|                                                |       |      |      |   |   |   | Handle Cap Type: R=Red B=Black W=White<br>Y=Yellow G=Green BL=Blue                |
|                                                |       |      |      |   |   |   | Terminal Type: 1=Solder terminal 2=Pc terminal<br>3=Pc-H terminal 4=Pc-V terminal |
|                                                |       |      |      |   |   |   | Handle Type: A=Standard C=Short                                                   |

All specification & dimensions are subject to change, please call your nearest ETC sales representative for update information