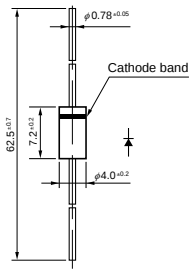


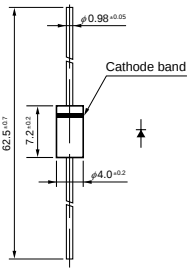
| V <sub>RM</sub><br>(V) | I <sub>F</sub> (A)<br>(A)<br><small>Values in parentheses<br/>are for the products<br/>with heatsinks</small> | Package<br>Axial<br><small>(Body Diameter/Lead Diameter)</small> | Part<br>Number | I <sub>FSM</sub><br>(A)<br>50Hz<br><small>Single Half Sine Wave</small> | T <sub>J</sub><br>(°C) | T <sub>stg</sub><br>(°C) | V <sub>F</sub><br>(V)<br>max | I <sub>F</sub><br>(A) | I <sub>R</sub><br>(μA)<br>V <sub>R</sub> =V <sub>RM</sub><br>max | I <sub>R</sub> (H)<br>(mA)<br>V <sub>R</sub> =V <sub>RM</sub><br>max | T <sub>J</sub><br>(°C) | trr <sup>①</sup><br>(ns) | I <sub>F</sub> /I <sub>RP</sub><br>(mA) | trr <sup>②</sup><br>(ns) | I <sub>F</sub> /I <sub>RP</sub><br>(mA) | R <sub>th(j-l)</sub><br>(°C/W) | Mass<br>(g) |
|------------------------|---------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|----------------|-------------------------------------------------------------------------|------------------------|--------------------------|------------------------------|-----------------------|------------------------------------------------------------------|----------------------------------------------------------------------|------------------------|--------------------------|-----------------------------------------|--------------------------|-----------------------------------------|--------------------------------|-------------|
| 400                    | 0.7                                                                                                           | Axial (φ 2.4/φ 0.6)                                              | AG01           | 15                                                                      | -40 to +150            |                          | 1.8                          | 0.7                   | 100                                                              | 0.5                                                                  | 100(Ta)                | 100                      | 100/100                                 | 50                       | 100/200                                 | 22                             | 0.13        |
|                        | 0.7                                                                                                           | Axial (φ 2.7/φ 0.6)                                              | EG01           | 15                                                                      | -40 to +150            |                          | 2.0                          | 0.7                   | 50                                                               | 0.3                                                                  | 100                    | 100                      | 100/100                                 | 50                       | 100/200                                 | 20                             | 0.2         |
|                        | 0.8                                                                                                           | Axial (φ 2.7/φ 0.78)                                             | EG 1           | 15                                                                      | -40 to +150            |                          | 1.8                          | 0.8                   | 50                                                               | 0.3                                                                  | 100                    | 100                      | 100/100                                 | 50                       | 100/200                                 | 17                             | 0.3         |
|                        | 1.0                                                                                                           | Axial (φ 2.4/φ 0.6)                                              | AL01           | 20                                                                      | -40 to +150            |                          | 1.4                          | 1.0                   | 10                                                               | 0.05                                                                 | 150                    | 50                       | 100/100                                 | 35                       | 100/200                                 | 22                             | 0.13        |
|                        | 1.2                                                                                                           | Axial (φ 4.0/φ 0.78)                                             | RG 10          | 50                                                                      | -40 to +150            |                          | 1.8                          | 1.5                   | 500                                                              | 2.5                                                                  | 150                    | 100                      | 100/100                                 | 50                       | 100/200                                 | 15                             | 0.4         |
|                        | 1.2                                                                                                           | Axial (φ 4.0/φ 0.98)                                             | RG 2           | 50                                                                      | -40 to +150            |                          | 1.8                          | 1.5                   | 500                                                              | 2.5                                                                  | 150                    | 100                      | 100/100                                 | 50                       | 100/200                                 | 12                             | 0.6         |
|                        | 1.5                                                                                                           | Axial (φ 2.7/φ 0.78)                                             | EL 1           | 40                                                                      | -40 to +150            |                          | 1.3                          | 1.5                   | 10                                                               | 0.05                                                                 | 150                    | 50                       | 100/100                                 | 35                       | 100/200                                 | 17                             | 0.3         |
|                        | 2.0                                                                                                           | Axial (φ 4.0/φ 0.98)                                             | RL 2           | 40                                                                      | -40 to +150            |                          | 1.3                          | 2.0                   | 10                                                               | 0.1                                                                  | 150                    | 50                       | 100/100                                 | 35                       | 100/200                                 | 12                             | 0.6         |
|                        | 5.0                                                                                                           | TO-220F2Pin                                                      | FMXA-1054S     | 50                                                                      | -40 to +150            |                          | 1.5                          | 5.0                   | 50                                                               | 15                                                                   | 150                    | 20                       | 500/500                                 | —                        | —                                       | 4.0                            | 2.1         |
|                        | 5.0                                                                                                           | TO-220F (Center-tap)                                             | FMG-14S, R     | 35                                                                      | -40 to +150            |                          | 2.0                          | 2.5                   | 500                                                              | 1.5                                                                  | 100                    | 100                      | 100/100                                 | 50                       | 100/200                                 | 4.0                            | 2.1         |
|                        | 5.0                                                                                                           | TO-220F (Center-tap)                                             | FML-14S        | 40                                                                      | -40 to +150            |                          | 1.3                          | 2.5                   | 50                                                               | 0.1                                                                  | 100(Ta)                | 50                       | 100/100                                 | 35                       | 100/200                                 | 4.0                            | 2.1         |
|                        | 5.0                                                                                                           | TO-220F2Pin                                                      | FMX-G14S       | 70                                                                      | -40 to +150            |                          | 1.3                          | 5.0                   | 50                                                               | 15                                                                   | 150                    | 30                       | 100/100                                 | 25                       | 100/200                                 | 4.0                            | 2.1         |
|                        | 5.0                                                                                                           | TO-220F2Pin                                                      | FML-G14S       | 70                                                                      | -40 to +150            |                          | 1.3                          | 5.0                   | 100                                                              | 0.2                                                                  | 150                    | 50                       | 100/100                                 | 35                       | 100/200                                 | 4.0                            | 2.1         |
|                        | 5.0                                                                                                           | TO-220F2Pin                                                      | FMN-G14S       | 70                                                                      | -40 to +150            |                          | 1.0                          | 5.0                   | 50                                                               | 10                                                                   | 150                    | 100                      | 100/100                                 | 50                       | 100/200                                 | 4.0                            | 2.1         |
|                        | 8.0                                                                                                           | TO-220F (Center-tap)                                             | FMG-24S, R     | 65                                                                      | -40 to +150            |                          | 2.0                          | 5.0                   | 500                                                              | 2.5                                                                  | 150                    | 100                      | 100/100                                 | 50                       | 100/200                                 | 4.0                            | 2.1         |
|                        | 10                                                                                                            | TO-220F (Center-tap)                                             | FML-24S        | 70                                                                      | -40 to +150            |                          | 1.3                          | 5.0                   | 100                                                              | 0.2                                                                  | 100(Ta)                | 50                       | 100/100                                 | 35                       | 100/200                                 | 4.0                            | 2.1         |
|                        | 10                                                                                                            | TO-220F2Pin                                                      | FMXA-1104S     | 100                                                                     | -40 to +150            |                          | 1.5                          | 10                    | 100                                                              | 30                                                                   | 150                    | 25                       | 500/500                                 | —                        | —                                       | 4.0                            | 2.1         |
|                        | 20                                                                                                            | TO-3PF (Center-tap)                                              | FML-4204S      | 100                                                                     | -40 to +150            |                          | 1.3                          | 10                    | 50                                                               | 0.4                                                                  | 150                    | 50                       | 500/500                                 | 35                       | 500/1000                                | 2.0                            | 6.5         |
|                        | 20                                                                                                            | TO-3PF (Center-tap)                                              | FMXA-4204S*    | 100                                                                     | -40 to +150            |                          | 1.5                          | 10                    | 100                                                              | 30                                                                   | 150                    | 25                       | 500/500                                 | —                        | —                                       | 2.0                            | 6.5         |
|                        | 20                                                                                                            | TO-3PF (Center-tap)                                              | FMD-4204S      | 100                                                                     | -40 to +150            |                          | 1.4                          | 10                    | 20                                                               | 0.2                                                                  | 150                    | 50                       | 500/500                                 | 30                       | 500/1000                                | 2.0                            | 6.5         |
| 600                    | 0.5                                                                                                           | Axial (φ 2.7/φ 0.6)                                              | EG01A          | 10                                                                      | -40 to +150            |                          | 2.0                          | 0.5                   | 100                                                              | 0.5                                                                  | 100                    | 100                      | 100/100                                 | 50                       | 100/200                                 | 20                             | 0.2         |
|                        | 0.5                                                                                                           | Axial (φ 2.4/φ 0.6)                                              | AG01A          | 15                                                                      | -40 to +150            |                          | 1.8                          | 0.5                   | 100                                                              | 0.5                                                                  | 100(Ta)                | 100                      | 100/100                                 | 50                       | 100/200                                 | 22                             | 0.13        |
|                        | 0.6                                                                                                           | Axial (φ 2.7/φ 0.78)                                             | EG 1A          | 10                                                                      | -40 to +150            |                          | 2.0                          | 0.6                   | 100                                                              | 0.5                                                                  | 100                    | 100                      | 100/100                                 | 50                       | 100/200                                 | 17                             | 0.3         |
|                        | 1.0                                                                                                           | Axial (φ 4.0/φ 0.78)                                             | RG 10A         | 50                                                                      | -40 to +150            |                          | 2.0                          | 1.0                   | 500                                                              | 1.0                                                                  | 150                    | 100                      | 100/100                                 | 50                       | 100/200                                 | 15                             | 0.4         |
|                        | 1.0                                                                                                           | Axial (φ 4.0/φ 0.98)                                             | RG 2A          | 50                                                                      | -40 to +150            |                          | 2.0                          | 1.0                   | 500                                                              | 1.0                                                                  | 150                    | 100                      | 100/100                                 | 50                       | 100/200                                 | 12                             | 0.6         |
|                        | 1.2                                                                                                           | Axial (φ 4.0/φ 0.98)                                             | RD 2A          | 30                                                                      | -40 to +150            |                          | 1.55                         | 1.2                   | 50                                                               | 0.1                                                                  | 150                    | 50                       | 100/100                                 | 35                       | 100/200                                 | 12                             | 0.6         |
|                        | 3.0                                                                                                           | TO-220F (Two elements)                                           | FMC-26U        | 50                                                                      | -40 to +150            |                          | 2.0                          | 3.0                   | 500                                                              | 3.0                                                                  | 150                    | 70                       | 500/500                                 | 35                       | 500/1000                                | 4.0                            | 2.1         |
|                        | 3.0                                                                                                           | Axial (φ 6.5/φ 1.4)                                              | RL 4A          | 80                                                                      | -40 to +150            |                          | 1.5                          | 3.0                   | 50                                                               | 0.1                                                                  | 150                    | 50                       | 500/500                                 | 35                       | 500/1000                                | 8.0                            | 1.2         |
|                        | 3.0                                                                                                           | Axial (φ 6.5/φ 1.4)                                              | RN 4A          | 50                                                                      | -40 to +150            |                          | 1.3                          | 3.0                   | 50                                                               | 5.0                                                                  | 150                    | 100                      | 100/100                                 | 50                       | 100/200                                 | 8.0                            | 1.2         |
|                        | 4.0                                                                                                           | TO-220F2Pin                                                      | FMG-G26S       | 50                                                                      | -40 to +150            |                          | 2.5                          | 4.0                   | 500                                                              | 3.0                                                                  | 100(Ta)                | 100                      | 100/100                                 | 50                       | 100/200                                 | 4.0                            | 2.1         |
|                        | 5.0                                                                                                           | TO-220F2Pin                                                      | FMX-G16S       | 50                                                                      | -40 to +150            |                          | 1.5                          | 5.0                   | 50                                                               | 15                                                                   | 150                    | 30                       | 100/100                                 | 25                       | 100/200                                 | 4.0                            | 2.1         |
|                        | 5.0                                                                                                           | TO-220F2Pin                                                      | FML-G16S       | 50                                                                      | -40 to +150            |                          | 1.5                          | 5.0                   | 100                                                              | 0.5                                                                  | 150                    | 50                       | 500/500                                 | 35                       | 500/1000                                | 4.0                            | 2.1         |
|                        | 5.0                                                                                                           | TO-220F2Pin                                                      | FMN-1056S      | 60                                                                      | -40 to +150            |                          | 1.3                          | 5.0                   | 50                                                               | 5.0                                                                  | 150                    | 100                      | 100/100                                 | 50                       | 100/200                                 | 4.0                            | 2.1         |
|                        | 5.0                                                                                                           | TO-220F2Pin                                                      | FMD-1056S*     | 90                                                                      | -40 to +150            |                          | 1.7                          | 5.0                   | 10                                                               | 0.1                                                                  | 150                    | 50                       | 500/500                                 | 35                       | 500/1000                                | 4.0                            | 2.1         |
|                        | 6.0                                                                                                           | TO-220F (Center-tap)                                             | FMG-26S, R     | 50                                                                      | -40 to +150            |                          | 2.2                          | 3.0                   | 500                                                              | 3.0                                                                  | 150                    | 100                      | 100/100                                 | 50                       | 100/200                                 | 4.0                            | 2.1         |
|                        | 8.0                                                                                                           | TO-220F2Pin                                                      | FMXK-1086S     | 100                                                                     | -40 to +150            |                          | 1.75                         | 8.0                   | 30                                                               | 6.0                                                                  | 150                    | 27                       | 500/500                                 | —                        | —                                       | 4.0                            | 2.1         |
|                        | 10                                                                                                            | TO-220F2Pin                                                      | FMX-1106S      | 50                                                                      | -40 to +150            |                          | 1.5                          | 5.0                   | 50                                                               | 15                                                                   | 150                    | 30                       | 100/100                                 | 25                       | 100/200                                 | 4.0                            | 2.1         |
|                        | 10                                                                                                            | TO-220F2Pin                                                      | FMX-G26S       | 100                                                                     | -40 to +150            |                          | 1.5                          | 10                    | 100                                                              | 20                                                                   | 150(Ta)                | 30                       | 100/100                                 | 25                       | 100/200                                 | 4.0                            | 2.1         |
|                        | 10                                                                                                            | TO-220F2Pin                                                      | FMD-G26S       | 100                                                                     | -40 to +150            |                          | 1.7                          | 10                    | 100                                                              | 0.3                                                                  | 100(Ta)                | 50                       | 500/500                                 | 30                       | 500/1000                                | 4.0                            | 2.1         |
|                        | 10                                                                                                            | TO-220F2Pin                                                      | FMXA-1106S     | 100                                                                     | -40 to +150            |                          | 1.98                         | 10                    | 100                                                              | 30                                                                   | 150                    | 28                       | 500/500                                 | —                        | —                                       | 4.0                            | 2.1         |
|                        | 10                                                                                                            | TO-220F2Pin                                                      | FMNS-1106S     | 100                                                                     | -40 to +150            |                          | 1.3                          | 10                    | 100                                                              | 10                                                                   | 150                    | 100                      | 100/100                                 | 50                       | 100/200                                 | 4.0                            | 2.1         |
|                        | 10                                                                                                            | TO-220F2Pin                                                      | FMN-1106S      | 150                                                                     | -40 to +150            |                          | 1.3                          | 10                    | 100                                                              | 10                                                                   | 150                    | 100                      | 100/100                                 | 50                       | 100/200                                 | 4.0                            | 2.1         |
|                        | 10                                                                                                            | TO-220F2Pin                                                      | FMD-1106S*     | 180                                                                     | -40 to +150            |                          | 1.7                          | 10                    | 20                                                               | 0.2                                                                  | 150                    | 50                       | 500/500                                 | 35                       | 500/1000                                | 4.0                            | 2.1         |
|                        | 10                                                                                                            | TO-220F2Pin                                                      | FMXK-1106S     | 100                                                                     | -40 to +150            |                          | 1.75                         | 10                    | 100                                                              | 10                                                                   | 150                    | 27                       | 500/500                                 | —                        | —                                       | 4.0                            | 2.1         |
|                        | 20                                                                                                            | TO-220F (Center-tap)                                             | FMN-2206S      | 150                                                                     | -40 to +150            |                          | 1.3                          | 10                    | 100                                                              | 10                                                                   | 150                    | 100                      | 100/100                                 | 50                       | 100/200                                 | 4.0                            | 2.1         |
|                        | 20                                                                                                            | TO-220F (Center-tap)                                             | FMXK-2206S     | 100                                                                     | -40 to +150            |                          | 1.75                         | 10                    | 100                                                              | 10                                                                   | 150                    | 27                       | 500/500                                 | —                        | —                                       | 4.0                            | 2.1         |
|                        | 20                                                                                                            | TO-220F (Center-tap)                                             | FMXS-2206S     | 100                                                                     | -40 to +150            |                          | 1.6                          | 10                    | 50                                                               | 15                                                                   | 150                    | 30                       | 500/500                                 | 25                       | 500/1000                                | 4.0                            | 2.1         |
|                        | 20                                                                                                            | TO-3PF (Center-tap)                                              | FMD-4206S      | 100                                                                     | -40 to +150            |                          | 1.7                          | 10                    | 100                                                              | 0.3                                                                  | 150                    | 50                       | 500/500                                 | 30                       | 500/1000                                | 2.0                            | 6.5         |
|                        | 20                                                                                                            | TO-3PF (Center-tap)                                              | FMX-4206S*     | 100                                                                     | -40 to +150            |                          | 1.5                          | 10                    | 100                                                              | 20                                                                   | 150                    | 30                       | 500/500                                 | —                        | —                                       | 2.0                            | 6.5         |
|                        | 20                                                                                                            | TO-3PF (Center-tap)                                              | FMXA-4206S*    | 100                                                                     | -40 to +150            |                          | 1.98                         | 10                    | 100                                                              | 30                                                                   | 150                    | 28                       | 500/500                                 | —                        | —                                       | 2.0                            | 6.5         |
|                        | 30                                                                                                            | TO-3PF (Center-tap)                                              | FMN-4306S      | 150                                                                     | -40 to +150            |                          | 1.5                          | 15                    | 100                                                              | 20                                                                   | 150                    | 100                      | 100/100                                 | 50                       | 100/200                                 | 2.0                            | 6.5         |

\*Under development

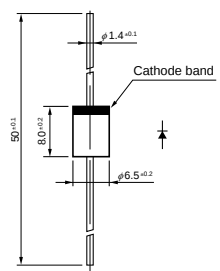
• No. 13 Axial ( $\phi 4.0/\phi 0.78$ )



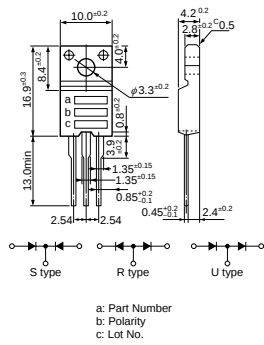
• No. 14 Axial ( $\phi 4.0/\phi 0.98$ )



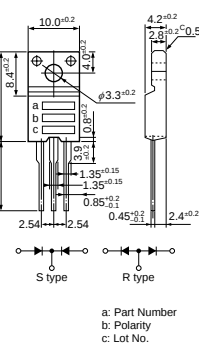
• No. 15 Axial ( $\phi 6.5/\phi 1.4$ )



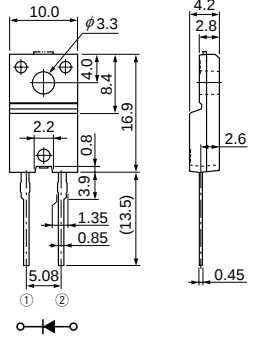
• No. 16 TO-220F (Two Elements)



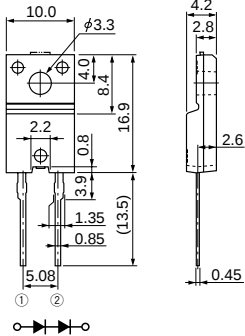
• No. 17 TO-220F (Center-tap)



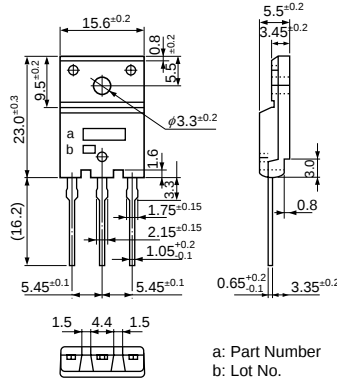
• No. 18 TO-220F2Pin



• No. 19 TO-220F2Pin (Two Elements)



• No. 20 TO-3PF



• No. 21 TO-3PF2Pin

