



# PRODUCT CATALOG

# 2018

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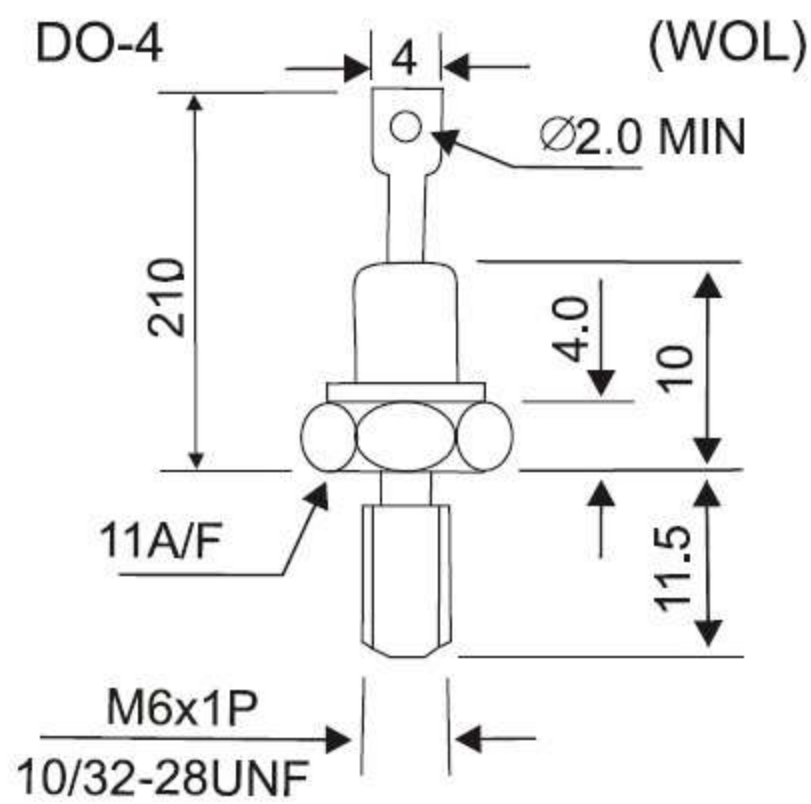


**Electronica Y  
Temporizadores**

# ZENER DIODES

// METAL TYPE //

| Device Type (Series) | Wattage (W) | Zener Voltages (V) | Tolerance | $V_F$ (V) | $I_{TAV}$ (A) | $T_{vj}$ (°C) | Thread    | Package | Outline |
|----------------------|-------------|--------------------|-----------|-----------|---------------|---------------|-----------|---------|---------|
| 1N2970 to 1N3015     | 10          | 6.8 to 200         | 5%        | 1.2       | 1.0           | 150           | 10/32 UNF | DO-4    | A       |



A

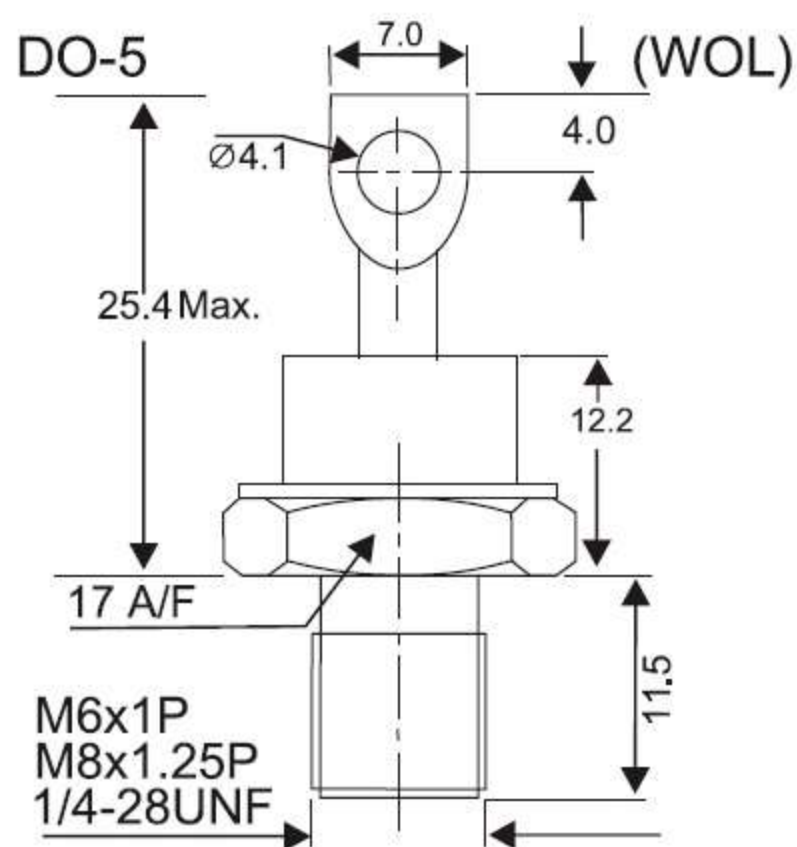
| Type Number | Nominal Zener Voltage $V_z @ I_{ZT}$ Volts | Test Current ( $I_{ZT}$ ) mA | Max Zener Impedance    |                        |             | Max DC Zener Current ( $I_{ZM}$ ) mA | Max Reverse Current* |          |          |
|-------------|--|------------------------------|------------------------|------------------------|-------------|--------------------------------------|----------------------|----------|----------|
|             |  |                              | $Z_{ZT} @ I_{ZT}$ Ohms | $Z_{ZK} @ I_{ZT}$ Ohms | $I_{ZT}$ mA |                                      | $I_R$ Max ( $\mu$ A) | $V_{R1}$ | $V_{R2}$ |
| EYT-1N2970  | 6.8  | 370                          | 1.2                    | 500                    | 1.0         | 1,320                                | 150                  | 5.2      | 4.9      |
| EYT-1N2971  | 7.5  | 335                          | 1.3                    | 250                    | 1.0         | 1,180                                | 75                   | 5.7      | 5.4      |
| EYT-1N2972  | 8.2  | 305                          | 1.5                    | 250                    | 1.0         | 1,040                                | 50                   | 6.2      | 5.9      |
| EYT-1N2973  | 9.1  | 275                          | 2.0                    | 250                    | 1.0         | 960                                  | 25                   | 6.9      | 6.6      |
| EYT-1N2974  | 10   | 250                          | 3                      | 250                    | 1.0         | 880                                  | 10                   | 7.6      | 7.2      |
| EYT-1N2975  | 11   | 230                          | 3                      | 250                    | 1.0         | 780                                  | 5                    | 8.4      | 8.0      |
| EYT-1N2976  | 12   | 210                          | 3                      | 250                    | 1.0         | 720                                  | 5                    | 9.1      | 8.6      |
| EYT-1N2977  | 13   | 190                          | 3                      | 250                    | 1.0         | 660                                  | 5                    | 9.9      | 9.4      |
| EYT-1N2978  | 14   | 180                          | 3                      | 250                    | 1.0         | 600                                  | 5                    | 10.6     | 10.1     |
| EYT-1N2979  | 15   | 170                          | 3                      | 250                    | 1.0         | 560                                  | 5                    | 11.4     | 10.8     |
| EYT-1N2980  | 16   | 155                          | 4                      | 250                    | 1.0         | 530                                  | 5                    | 12.2     | 11.5     |
| EYT-1N2982  | 18   | 140                          | 4                      | 250                    | 1.0         | 460                                  | 5                    | 13.7     | 13.0     |
| EYT-1N2983  | 19   | 130                          | 4                      | 250                    | 1.0         | 440                                  | 5                    | 14.4     | 13.7     |
| EYT-1N2984  | 20   | 125                          | 4                      | 250                    | 1.0         | 420                                  | 5                    | 15.2     | 14.4     |
| EYT-1N2985  | 22   | 115                          | 5                      | 250                    | 1.0         | 380                                  | 5                    | 16.7     | 15.8     |
| EYT-1N2986  | 24   | 105                          | 5                      | 250                    | 1.0         | 350                                  | 5                    | 18.2     | 17.3     |
| EYT-1N2988  | 27   | 95                           | 7                      | 250                    | 1.0         | 300                                  | 5                    | 20.6     | 19.4     |
| EYT-1N2989  | 30   | 85                           | 8                      | 300                    | 1.0         | 280                                  | 5                    | 22.8     | 21.6     |
| EYT-1N2990  | 33   | 75                           | 9                      | 300                    | 1.0         | 260                                  | 5                    | 25.1     | 23.8     |
| EYT-1N2991  | 36   | 70                           | 10                     | 300                    | 1.0         | 230                                  | 5                    | 27.4     | 25.9     |
| EYT-1N2992  | 39   | 65                           | 11                     | 300                    | 1.0         | 210                                  | 5                    | 29.7     | 28.1     |
| EYT-1N2993  | 43   | 60                           | 12                     | 400                    | 1.0         | 195                                  | 5                    | 32.7     | 31.0     |
| EYT-1N2995  | 47   | 55                           | 14                     | 400                    | 1.0         | 175                                  | 5                    | 35.8     | 33.8     |
| EYT-1N2996  | 50   | 50                           | 15                     | 500                    | 1.0         | 165                                  | 5                    | 38.0     | 36.0     |
| EYT-1N2997  | 51   | 50                           | 15                     | 500                    | 1.0         | 163                                  | 5                    | 38.8     | 36.7     |
| EYT-1N2998  | 52   | 50                           | 15                     | 500                    | 1.0         | 160                                  | 5                    | 39.5     | 37.4     |
| EYT-1N2999  | 56   | 45                           | 16                     | 500                    | 1.0         | 150                                  | 5                    | 42.6     | 40.3     |
| EYT-1N3000  | 62   | 40                           | 17                     | 600                    | 1.0         | 130                                  | 5                    | 47.1     | 44.6     |
| EYT-1N3001  | 68   | 37                           | 18                     | 600                    | 1.0         | 120                                  | 5                    | 51.7     | 49.0     |
| EYT-1N3002  | 75   | 33                           | 22                     | 600                    | 1.0         | 110                                  | 5                    | 56.0     | 54.0     |
| EYT-1N3003  | 82   | 30                           | 25                     | 700                    | 1.0         | 100                                  | 5                    | 62.2     | 59.0     |
| EYT-1N3004  | 91   | 28                           | 35                     | 800                    | 1.0         | 85                                   | 5                    | 69.2     | 65.5     |
| EYT-1N3005  | 100  | 25                           | 40                     | 900                    | 1.0         | 80                                   | 5                    | 76.0     | 72.0     |
| EYT-1N3006  | 105  | 25                           | 45                     | 1,000                  | 1.0         | 75                                   | 5                    | 79.8     | 75.6     |
| EYT-1N3007  | 110  | 23                           | 55                     | 1,100                  | 1.0         | 72                                   | 5                    | 83.6     | 79.2     |
| EYT-1N3008  | 120  | 20                           | 75                     | 1,200                  | 1.0         | 67                                   | 5                    | 91.2     | 86.4     |
| EYT-1N3009  | 130  | 19                           | 100                    | 1,300                  | 1.0         | 62                                   | 5                    | 98.8     | 93.6     |
| EYT-1N3010  | 140  | 18                           | 125                    | 1,400                  | 1.0         | 58                                   | 5                    | 106.4    | 100.8    |
| EYT-1N3011  | 150  | 17                           | 175                    | 1,500                  | 1.0         | 54                                   | 5                    | 114.0    | 108.0    |
| EYT-1N3012  | 160  | 16                           | 200                    | 1,600                  | 1.0         | 50                                   | 5                    | 121.6    | 115.2    |
| EYT-1N3014  | 180  | 14                           | 250                    | 1,850                  | 1.0         | 45                                   | 5                    | 136.8    | 129.6    |
| EYT-1N3015  | 200  | 12                           | 300                    | 2,000                  | 1.0         | 40                                   | 5                    | 152.0    | 144.0    |

\* $V_{R1}$  - Test Voltage for 5% Tolerance Device.  $V_{R2}$  - Test Voltage for 10% Tolerance Device. No Leakage Specified as 20% Tolerance Device.

# ZENER DIODES

// METAL TYPE //

| Device Type (Series) | Wattage (W) | Zener Voltages (V) | Tolerance | $V_r$ (V) | $I_{r(AV)}$ (A) | $T_{vj}$ (°C) | Thread  | Package | Out-line |
|----------------------|-------------|--------------------|-----------|-----------|-----------------|---------------|---------|---------|----------|
| 1N3305 to 1N3350     | 50          | 6.8 to 200         | 5%        | 1.2       | 2.0             | 150           | 1/4 UNF | DO-5    | B        |



B/C

| Type Number | Nominal Zener Voltage Vz @ IzT Volts | Test Current (IzT) mA | Max Zener Impedance |                      | Max DC Zener 75°C Case Temp (IzM) mA | Reverse Leakage Current |                 |                 | Typical Zener Voltage Temperature Coeff. %/°C |
|-------------|--------------------------------------|-----------------------|---------------------|----------------------|--------------------------------------|-------------------------|-----------------|-----------------|---|
|             |                                      |                       | ZzT @ IzT Ohms      | Zzk @ IzT = 5mA Ohms |                                      | I <sub>R</sub> Max      | V <sub>R1</sub> | V <sub>R2</sub> |   |
| EYT-1N3305  | 6.8                                  | 1850                  | 0.2                 | 70                   | 6600                                 | 150                     | 4.5             | 4.3             | .040  |
| EYT-1N3306  | 7.5                                  | 1700                  | 0.3                 | 70                   | 5900                                 | 75                      | 5.0             | 4.7             | .045  |
| EYT-1N3307  | 8.2                                  | 1500                  | 0.4                 | 70                   | 5200                                 | 50                      | 5.4             | 5.2             | .048  |
| EYT-1N3308  | 9.1                                  | 1370                  | 0.5                 | 70                   | 4800                                 | 25                      | 6.1             | 5.7             | .051  |
| EYT-1N3309  | 10                                   | 1200                  | 0.6                 | 80                   | 4300                                 | 10                      | 6.7             | 6.3             | .055  |
| EYT-1N3310  | 11                                   | 1100                  | 0.8                 | 80                   | 3900                                 | 5                       | 8.4             | 8.0             | .060  |
| EYT-1N3311  | 12                                   | 1000                  | 1.0                 | 80                   | 3600                                 | 5                       | 9.1             | 8.6             | .065  |
| EYT-1N3312  | 13                                   | 960                   | 1.1                 | 80                   | 3300                                 | 5                       | 9.9             | 9.4             | .065  |
| EYT-1N3313  | 14                                   | 890                   | 1.2                 | 80                   | 3000                                 | 5                       | 10.6            | 10.1            | .070  |
| EYT-1N3314  | 15                                   | 830                   | 1.4                 | 80                   | 2800                                 | 5                       | 11.4            | 10.8            | .070  |
| EYT-1N3315  | 16                                   | 780                   | 1.6                 | 80                   | 2650                                 | 5                       | 12.2            | 11.5            | .070  |
| EYT-1N3316  | 17                                   | 740                   | 1.8                 | 80                   | 2500                                 | 5                       | 13.0            | 12.2            | .075  |
| EYT-1N3317  | 18                                   | 700                   | 2.0                 | 80                   | 2300                                 | 5                       | 13.7            | 13.0            | .075  |
| EYT-1N3318  | 19                                   | 660                   | 2.2                 | 80                   | 2200                                 | 5                       | 14.4            | 13.7            | .075  |
| EYT-1N3319  | 20                                   | 630                   | 2.4                 | 80                   | 2100                                 | 5                       | 15.2            | 14.4            | .075  |
| EYT-1N3320  | 22                                   | 570                   | 2.5                 | 80                   | 1900                                 | 5                       | 16.7            | 15.8            | .080  |
| EYT-1N3321  | 24                                   | 520                   | 2.6                 | 80                   | 1750                                 | 5                       | 18.2            | 17.3            | .080  |
| EYT-1N3322  | 25                                   | 500                   | 2.7                 | 90                   | 1550                                 | 5                       | 19.0            | 18.0            | .080  |
| EYT-1N3323  | 27                                   | 460                   | 2.8                 | 90                   | 1500                                 | 5                       | 20.6            | 19.4            | .085  |
| EYT-1N3324  | 30                                   | 420                   | 3.0                 | 90                   | 1400                                 | 5                       | 22.8            | 21.6            | .085  |
| EYT-1N3325  | 33                                   | 380                   | 3.2                 | 90                   | 1300                                 | 5                       | 25.1            | 23.8            | .085  |
| EYT-1N3326  | 36                                   | 350                   | 3.5                 | 90                   | 1150                                 | 5                       | 27.4            | 25.9            | .085  |
| EYT-1N3327  | 39                                   | 320                   | 4.0                 | 90                   | 1050                                 | 5                       | 29.7            | 28.1            | .090  |
| EYT-1N3328  | 43                                   | 290                   | 4.5                 | 90                   | 975                                  | 5                       | 32.7            | 31.0            | .090  |
| EYT-1N3329  | 45                                   | 280                   | 4.5                 | 100                  | 930                                  | 5                       | 34.2            | 32.4            | .090  |
| EYT-1N3330  | 47                                   | 270                   | 5.0                 | 100                  | 880                                  | 5                       | 35.8            | 33.8            | .090  |
| EYT-1N3331  | 50                                   | 250                   | 5.0                 | 100                  | 830                                  | 5                       | 38.0            | 36.0            | .090  |
| EYT-1N3332  | 51                                   | 245                   | 5.2                 | 100                  | 810                                  | 5                       | 38.8            | 36.7            | .090  |
| EYT-1N3333  | 52                                   | 240                   | 5.5                 | 100                  | 790                                  | 5                       | 39.5            | 37.4            | .090  |
| EYT-1N3334  | 56                                   | 220                   | 6                   | 110                  | 740                                  | 5                       | 42.6            | 40.3            | .090  |
| EYT-1N3335  | 62                                   | 200                   | 7                   | 120                  | 660                                  | 5                       | 47.1            | 44.6            | .090  |
| EYT-1N3336  | 68                                   | 180                   | 8                   | 140                  | 600                                  | 5                       | 51.7            | 49.0            | .090  |
| EYT-1N3337  | 75                                   | 170                   | 9                   | 150                  | 540                                  | 5                       | 56.0            | 54.0            | .090  |
| EYT-1N3338  | 82                                   | 150                   | 11                  | 160                  | 490                                  | 5                       | 62.2            | 59.0            | .090  |
| EYT-1N3339  | 91                                   | 140                   | 15                  | 180                  | 420                                  | 5                       | 69.2            | 65.5            | .090  |
| EYT-1N3340  | 100                                  | 120                   | 20                  | 200                  | 400                                  | 5                       | 76.0            | 72.0            | .090  |
| EYT-1N3341  | 105                                  | 120                   | 25                  | 210                  | 380                                  | 5                       | 79.8            | 75.6            | .095  |
| EYT-1N3342  | 110                                  | 110                   | 30                  | 220                  | 365                                  | 5                       | 83.6            | 79.2            | .095  |
| EYT-1N3343  | 120                                  | 100                   | 40                  | 240                  | 335                                  | 5                       | 91.2            | 86.4            | .095  |
| EYT-1N3344  | 130                                  | 95                    | 50                  | 275                  | 310                                  | 5                       | 98.8            | 93.6            | .095  |
| EYT-1N3345  | 140                                  | 90                    | 60                  | 325                  | 290                                  | 5                       | 106.4           | 100.8           | .095  |
| EYT-1N3346  | 150                                  | 85                    | 75                  | 400                  | 270                                  | 5                       | 114.0           | 108.0           | .095  |
| EYT-1N3347  | 160                                  | 80                    | 80                  | 450                  | 250                                  | 5                       | 121.6           | 115.2           | .095  |
| EYT-1N3348  | 175                                  | 70                    | 85                  | 500                  | 230                                  | 5                       | 133.0           | 126.0           | .095  |
| EYT-1N3349  | 180                                  | 68                    | 90                  | 525                  | 220                                  | 5                       | 136.8           | 129.6           | .095  |
| EYT-1N3350  | 200                                  | 65                    | 100                 | 600                  | 200                                  | 5                       | 152.0           | 144.0           | .100  |

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CONTACT US



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Instrumentación para la Automatización



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