




# IECEx Certificate of Conformity

## INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit [www.iecex.com](http://www.iecex.com)

|  |   |            |             |                          |
|--|---|------------|-------------|--------------------------|
| Certificate No.:   | IECEx INE 11.0009X  | issue No.: | 1           | Certificate history:     |
| Status:  | Current   |            |             | Issue No. 1 (2012-12-20) |
| Date of Issue:   | 2012-12-20  |            | Page 1 of 4 | Issue No. 0 (2011-9-26)  |
| Applicant:   | <b>REGULATEURS GEORGIN</b><br>14-16 rue Pierre Sépard<br>F - 92320 CHATILLON<br>France  |            |             |                          |
| Electrical Apparatus:<br>Optional accessory:                     | <b>Zener Barrier type BZG*****</b>  |            |             |                          |
| Type of Protection:  | <b>nA and ia</b>  |            |             |                          |
| Marking:   | <b>REGULATEURS GEORGIN</b><br><b>FRANCE - 92 CHATILLON</b><br><b>BZG***** (1)</b><br><b>IECEx INE 11.0009X</b><br><b>[Ex ia Ga] IIC</b><br><b>[Ex ia Da] IIIC</b><br><b>Ex nA [ia Ga] IIC T4 Gc</b><br><b>WARNING : DO NOT SEPARATE WHEN ENERGIZED</b><br>(1) The asterisk may be replaced by figure or letter according to the alternative |            |             |                          |
| Approved for issue on behalf of the IECEx<br>Certification Body: | Thierry HOUEIX  |            |             |                          |
| Position:  | Ex Certification Officer  |            |             |                          |
| Signature:<br>(for printed version)                              |    |            |             |                          |
| Date:  | 2012-12-20  |            |             |                          |



1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting the [Official IECEx Website](http://www.iecex.com).

Certificate issued by:

**INERIS**  
**Institut National de l'Environnement Industriel**  
**et des Risques**  
**BP n2**  
**Parc Technologique ALATA**  
**F-60550 Verneuil-En-Halatte**  
**France**

**INERIS**



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Manufacturer: **REGULATEURS GEORGIN**  
14-16 rue Pierre Sépard  
F - 92320 CHATILLON  
France

Additional Manufacturing location  
(s):

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended.

#### STANDARDS:

The electrical apparatus and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards:

**IEC 60079-0 : 2007-10** Explosive atmospheres - Part 0: Equipment - General requirements  
Edition: 5

**IEC 60079-11 : 2011-06** Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"  
Edition: 6.0

**IEC 60079-15 : 2010** Explosive atmospheres - Part 15: Equipment protection by type of protection "n"  
Edition: 4

*This Certificate **does not** indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed above.*

#### TEST & ASSESSMENT REPORTS:

*A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in*

#### Test Report:

[FR/INE/ExTR11.0009/01](#)

#### Quality Assessment Report:

[FR/LCI/QAR09.0004/03](#)



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## Schedule

### EQUIPMENT:

*Equipment and systems covered by this certificate are as follows:*

The range of Zener Barrier type BZG are designed to restrict the transfer of energy, from unclassified safe area equipment to intrinsically safe circuits, by the limitations of voltage and current.

The barrier consists of electronic components on a single printed circuit board with an encapsulated part the whole within a moulded plastic enclosure.

According to the type of protection the Zener barrier type BZG can be installed in :

- Explosive atmosphere (Zone 2) with marking Ex nA [ia Ga] IIC T4 Gc
- SAFE AREA with marking [Ex ia Ga] IIC and [Ex ia Da] IIC

### CONDITIONS OF CERTIFICATION: YES as shown below:

The equipment is intended to be used in an operating temperature range from -20°C to +60°C.



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## DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):

### Issue 1:

- Application of IEC 60079-11 : 2011
- Integration of new type of barriers



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## ROUTINE EXAMINATIONS AND TESTS

Each completed barrier, defined above, has to have successfully passed, before delivery, the routine test quoted in the paragraph 11.1.1 of the IEC 60079-11 standard.

## PARAMETERS RELATING TO THE SAFETY

Maximal Input characteristics on each black terminal:

- When used in explosive atmosphere (Zone 2) :

| Models                 | Terminals               | Um (V) | Im (mA) |
|------------------------|-------------------------|--------|---------|
| BZG715+ - BZG715L+     | 2/T                     | 12     | 85      |
| BZG2715+ - BZG2715L+   | 2/T and 6/T             | 12     | 85      |
| BZG715P+ - BZG715LP+   | 2/T                     | 12     | 100     |
| BZG2715P+ - BZG2715LP+ | 2/T and 6/T             | 12     | 100     |
| BZG728+                | 2/T                     | 24     | 50      |
| BZG2728+               | 2/T and 6/T             | 24     | 50      |
| BZG728L+               | 2/T                     | 24     | 50      |
| BZG2728L+              | 2/T and 6/T             | 24     | 50      |
| BZG755AC               | 2/T – 1/T and 6/T       | 2      | 50      |
| BZG756AC               | 2/T – 1/T and 6/T       | 2      | 50      |
| BZG760AC               | 2/T and 1/T             | 1      | 100     |
| BZG761+                | 2/T and 1/T             | 8      | 100     |
| BZG764+                | 2/T and 1/T             | 8      | 55      |
| BZG767+ - BZG767L+     | 2/T and 1/T             | 12     | 85      |
| BZG787+ - BZG787L+     | 2/T and 1/T             | 24     | 45      |
| BZG787P+ - BZG787LP+   | 2/T and 1/T             | 24     | 50      |
| BZG788+ - BZG788L+     | 2/T and 1/T             | 24     | 50      |
| BZG789+ - BZG789L+     | 2/T – 1/T – 5/T and 6/T | 20     | 35      |
| BZG796+ - BZG796L+     | 2/T and 1/T             | 22     | 40      |
| BZG710+ - BZG710L+     | 2/T                     | 8.8    | 100     |
| BZG722+ - BZG722L+     | 2/T                     | 19     | 70      |
| BZG728- - BZG728L-     | 2/T                     | -24    | 50      |
| BZG728P+ - BZG728LP+   | 2/T                     | 24     | 50      |
| BZG729P+ - BZG729LP+   | 2/T                     | 24     | 50      |
| BZG766AC               | 2/T and 1/T             | 10     | 70      |
| BZG764AC               | 2/T and 1/T             | 10     | 27      |



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| Models                 | Terminals   | Um (V) | Im (mA) |
|------------------------|-------------|--------|---------|
| BZG796- - BZG796L-     | 2/T and 1/T | -22    | 40      |
| BZG801 - BZG801L       | 2/T         | 16     | 70      |
| BZG802 - BZG802L       | 2/T         | 16     | 100     |
| BZG803 - BZG803L       | 2/T         | 16     | 55      |
| BZG2710+ - BZG2710L+   | 2/T and 6/T | 8.8    | 100     |
| BZG2722+ - BZG2722L+   | 2/T and 6/T | 19     | 70      |
| BZG2728- - BZG2728L-   | 2/T and 6/T | -24    | 50      |
| BZG2728P+ - BZG2728LP+ | 2/T and 6/T | 24     | 50      |
| BZG2729P+ - BZG2729LP+ | 2/T and 6/T | 24     | 50      |
| BZG2801 - BZG2801L     | 2/T and 6/T | 16     | 70      |
| BZG2802 - BZG2802L     | 2/T and 6/T | 16     | 100     |
| BZG2803 - BZG2803L     | 2/T and 6/T | 16     | 55      |

- When used in SAFE AREA :

Um = 25 0Vac for each terminal / earth.



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Maximal output characteristics on blue terminals

Intrinsically safe parameters for groups IIC and IIIC

| Models                 | Terminals         | U <sub>o</sub><br>(V) | I <sub>o</sub><br>(mA)     | P <sub>o</sub><br>(mW)     | L <sub>o</sub><br>(μH)     | C <sub>o</sub> (μF) | L/R<br>(μH/Ω)             |
|------------------------|-------------------|-----------------------|----------------------------|----------------------------|----------------------------|---------------------|---------------------------|
| BZG715+ -BZG715L+      | 3/4               | 14.39                 | 151.42                     | 544.55                     | 1550.73                    | 0.67                | 65.29                     |
| BZG2715+ - BZG2715L+   | 3/4<br>7/8        | 14.39<br>14.39        | 151.42<br>151.42           | 544.55<br>544.55           | 1550.73<br>1550.73         | 0.67<br>0.67        | 65.29<br>65.29            |
| BZG715P+ - BZG715LP+   | 3/4               | 14.39                 | 322.17                     | 1158.61                    | 342.56                     | 0.67                | 30.69                     |
| BZG2715P+ - BZG2715LP+ | 3/4<br>7/8        | 14.39<br>14.39        | 322.17<br>322.17           | 1158.61<br>1158.61         | 342.56<br>342.56           | 0.67<br>0.67        | 30.69<br>30.69            |
| BZG728+                | 3/4               | 27.30                 | 95.79                      | 653.76                     | 3875.00                    | 0.088               | 54.39                     |
| BZG2728+               | 3/4<br>7/8        | 27.30<br>27.30        | 95.79<br>95.79             | 653.76<br>653.76           | 3875.00<br>3875.00         | 0.088<br>0.088      | 54.39<br>54.39            |
| BZG728L+               | 3/4               | 27.30                 | 95.79                      | 653.76                     | 3875.00                    | 0.088               | 54.39                     |
| BZG2728L+              | 3/4<br>7/8        | 27.30<br>27.30        | 95.79<br>95.79             | 653.76<br>653.76           | 3875.00<br>3875.00         | 0.088<br>0.088      | 54.39<br>54.39            |
| BZG755AC               | 3/T<br>4/T<br>7/T | 3.15<br>3.15<br>3.15  | 214.29<br>321.43<br>321.43 | 168.75<br>253.13<br>253.13 | 774.32<br>344.14<br>344.14 | 100<br>100<br>100   | 210.7<br>140.47<br>140.47 |



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| Models                  | Terminals | Uo (V) | Io (mA) | Po (mW) | Lo ( $\mu$ H) | Co ( $\mu$ F) | L/R ( $\mu$ H/ $\Omega$ ) |
|-------------------------|-----------|--------|---------|---------|---------------|---------------|---------------------------|
| BZG756AC                | 3/T       | 3.15   | 214.29  | 168.75  | 774.32        | 100           | 210.7                     |
|                         | 4/T       | 3.15   | 321.43  | 253.13  | 344.14        | 100           | 140.47                    |
|                         | 7/T       | 3.15   | 321.43  | 253.13  | 344.14        | 100           | 140.47                    |
| BZG760AC                | 3/T       | 4.94   | 110.53  | 136.36  | 2910.56       | 100           | 260.74                    |
|                         | 4/T       | 4.94   | 110.53  | 136.36  | 2910.56       | 100           | 260.74                    |
|                         | 3/4       | 5.64   | 63.10   | 88.89   | 8929.41       | 54            | 399.97                    |
|                         | 3/T//4/T  | 4.94   | 221.05  | 272.72  | 727.64        | 100           | 130.37                    |
| BZG761+                 | 3/T       | 9.56   | 214     | 511.19  | 776.41        | 3.6           | 69.55                     |
|                         | 4/T       | 9.56   | 214     | 511.19  | 776.41        | 3.6           | 69.55                     |
|                         | 3/4       | 10.26  | 114.84  | 294.41  | 2696.12       | 2.63          | 120.77                    |
|                         | 3/T//4/T  | 9.56   | 428.00  | 1022.37 | 194.10        | 3.6           | 34.78                     |
| BZG764+                 | 3/T       | 9.56   | 40.39   | 96.49   | 21791.74      | 3.6           | 368.49                    |
|                         | 4/T       | 9.56   | 40.39   | 96.49   | 21791.74      | 3.6           | 368.49                    |
|                         | 3/4       | 10.26  | 21.68   | 55.57   | 75673.19      | 2.63          | 639.81                    |
|                         | 3/T//4/T  | 9.56   | 80.79   | 192.98  | 5447.94       | 3.6           | 184.25                    |
| BZG767+ - BZG767L+      | 3/T       | 14.39  | 151.42  | 544.55  | 1550.73       | 0.67          | 65.29                     |
|                         | 4/T       | 14.39  | 151.42  | 544.55  | 1550.73       | 0.67          | 65.29                     |
|                         | 3/4       | 15.79  | 83.08   | 327.85  | 5151.40       | 0.478         | 108.45                    |
|                         | 3/T//4/T  | 14.39  | 302.84  | 1089.1  | 387.68        | 0.67          | 32.65                     |
| BZG787+ - BZG787L+      | 3/T       | 27.30  | 87.08   | 594.33  | 4688.75       | 0.088         | 59.82                     |
|                         | 4/T       | 0.00   | 0.00    | 0.00    | -             | -             | -                         |
|                         | 3/4       | 28     | 89.31   | 625.20  | 4457.24       | 0.083         | 56.87                     |
|                         | 3//4/T    | 27.30  | 87.08   | 594.33  | 4688.75       | 0.088         | 59.82                     |
| BZG787P+ -<br>BZG787LP+ | 3/T       | 27.30  | 115.41  | 787.67  | 2669.49       | 0.088         | 45.14                     |
|                         | 4/T       | 0.00   | 0.00    | 0.00    | -             | -             | -                         |
|                         | 3/4       | 28     | 118.37  | 828.58  | 2537.68       | 0.083         | 42.91                     |
|                         | 3//4/T    | 27.30  | 115.41  | 787.67  | 2669.49       | 0.088         | 45.14                     |
| BZG788+ - BZG788L+      | 3/T       | 27.30  | 95.79   | 653.76  | 3875          | 0.088         | 54.39                     |
|                         | 4/T       | 9.56   | 197.21  | 471.09  | 914.18        | 3.6           | 75.47                     |
|                         | 3/4       | 28     | 83.97   | 587.79  | 5042.58       | 0.083         | 60.49                     |
|                         | 3/T//4/T  | 10.15  | 245.11  | 621.96  | 591.82        | 2.75          | 57.17                     |





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| Models                | Terminals       | Uo (V) | Io (mA) | Po (mW) | Lo ( $\mu$ H) | Co ( $\mu$ F) | L/R ( $\mu$ H/ $\Omega$ ) |
|-----------------------|-----------------|--------|---------|---------|---------------|---------------|---------------------------|
| BZG789+<br>BZG789L+   | 3/T             | 27.30  | 46.35   | 316.34  | 16550.56      | 0.088         | 112.4                     |
|                       | 7/T             | 27.30  | 46.35   | 316.34  | 16550.56      | 0.088         | 112.4                     |
|                       | 4/T & 8/T       | 0.00   | 0.00    | 0.00    | -             | -             | -                         |
|                       | 3//7/T          | 27.30  | 92.70   | 632.67  | 4137.64       | 0.088         | 56.2                      |
|                       | 3/4 & 8/7       | 28     | 47.54   | 332.77  | 15733.38      | 0.083         | 106.85                    |
|                       | 3//7/4 & 3//7/8 | 28     | 95.08   | 665.53  | 3933.34       | 0.083         | 53.42                     |
| BZG796+<br>BZG796L+   | 3/T             | 25.20  | 88.42   | 557.05  | 4547.75       | 0.107         | 63.83                     |
|                       | 4/T             | 18.90  | 51.01   | 241.03  | 13663.45      | 0.262         | 147.51                    |
|                       | 3/4             | 25.90  | 39.51   | 255.84  | 22774.74      | 0.1           | 138.98                    |
|                       | 3/T//4/T        | 22.46  | 139.43  | 782.95  | 1828.84       | 0.154         | 45.41                     |
| BZG710+<br>BZG710L+   | 3/4             | 9.56   | 197     | 470     | 916           | 3.6           | 75                        |
| BZG722+<br>BZG722L+   | 3/4             | 21     | 147     | 771     | 1645          | 0.188         | 46                        |
| BZG728-<br>BZG728L-   | 3/4             | -27.3  | 95      | 648     | 3939          | 0.088         | 54                        |
| BZG728P+<br>BZG728LP+ | 3/4             | 27.3   | 117.5   | 802     | 2573          | 0.088         | 44                        |
| BZG729P+<br>BZG729LP+ | 3/4             | 27.3   | 164.8   | 1125    | 1308          | 0.088         | 31                        |
| BZG766AC              | 3/T             | 11.2   | 78.6    | 220     | 5755          | 1.84          | 161                       |
|                       | 4/T             | 11.2   | 78.6    | 220     | 5755          | 1.84          | 161                       |
|                       | 3/4             | 22.4   | 78.6    | 440     | 5755          | 0.156         | 80                        |
|                       | 3/T//4/T        | 11.2   | 157.1   | 440     | 1438          | 0.156         | 80                        |
| BZG764AC              | 3/T             | 11.2   | 11.79   | 33      | 255810        | 1.84          | 1077                      |
|                       | 4/T             | 11.2   | 11.79   | 33      | 255810        | 1.84          | 1077                      |
|                       | 3/4             | 22.4   | 11.79   | 66      | 255810        | 0.156         | 538                       |
|                       | 3/T//4/T        | 11.2   | 23.58   | 66      | 63952         | 0.156         | 528                       |
| BZG796-<br>BZG796L-   | 3/T             | -25.2  | 88.4    | 557     | 4547          | 0.107         | 63                        |
|                       | 4/T             | -9.56  | 25.79   | 61.6    | 53459         | 3.6           | 577                       |
|                       | 3/4             | -25.9  | 39.5    | 255.8   | 22774         | 0.1           | 138                       |
|                       | 3/T//4/T        | -18.4  | 114     | 525     | 2725          | 0.285         | 67                        |



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|-------------------------|------------|----------------|----------------|--------------|---------------|----------------|---------------------------|
| BZG801 –<br>BZG801L     | 3/4        | 17.2           | 121            | 520          | 2434          | 0.353          | 68                        |
| BZG802 –<br>BZG802L     | 3/4        | 17.2           | 324            | 1393         | 339           | 0.353          | 25                        |
| BZG803 –<br>BZG803L     | 3/4        | 17.2           | 70.6           | 304          | 7139          | 0.353          | 117                       |
| BZG2710+<br>BZG2710L+   | 3/4<br>7/8 | 9.56<br>9.56   | 197<br>197     | 470<br>470   | 916<br>916    | 3.6<br>3.6     | 75<br>75                  |
| BZG2722+<br>BZG2722L+   | 3/4<br>7/8 | 21<br>21       | 147<br>147     | 771<br>771   | 1645<br>1645  | 0.188<br>0.188 | 46<br>46                  |
| BZG2728-<br>BZG2728L-   | 3/4<br>7/8 | -27.3<br>-27.3 | 95<br>95       | 648<br>648   | 3939<br>3939  | 0.088<br>0.088 | 54<br>54                  |
| BZG2728P+<br>BZG2728LP+ | 3/4<br>7/8 | 27.3<br>27.3   | 117.5<br>117.5 | 802<br>802   | 2573<br>2573  | 0.088<br>0.088 | 44<br>44                  |
| BZG2729P+<br>BZG2729LP+ | 3/4<br>7/8 | 27.3<br>27.3   | 164.8<br>164.8 | 1125<br>1125 | 1308<br>1308  | 0.088<br>0.088 | 31<br>31                  |
| BZG2801<br>BZG2801L     | 3/4<br>7/8 | 17.2<br>17.2   | 121<br>121     | 520<br>520   | 2434<br>2434  | 0.353<br>0.353 | 68<br>68                  |
| BZG2802-<br>BZG2802L    | 3/4<br>7/8 | 17.2<br>17.2   | 324<br>324     | 1393<br>1393 | 339<br>339    | 0.353<br>0.353 | 25<br>25                  |
| BZG2803<br>BZG2803L     | 3/4<br>7/8 | 17.2<br>17.2   | 70.6<br>70.6   | 304<br>304   | 7139<br>7139  | 0.353<br>0.353 | 117<br>117                |



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**Intrinsically safe parameters for group IIB**

| Models                 | Terminals                     | Uo (V)                        | Io (mA)                             | Po (mW)                               | Lo (μH)                                       | Co (μF)                      | L/R (μH/Ω)                              |
|------------------------|-------------------------------|-------------------------------|-------------------------------------|---------------------------------------|---|------------------------------|---|
| BZG715+ -BZG715L+      | 3/4                           | 14.39                         | 151.42                              | 544.55                                | 6202.9  | 4.18                         | 261.17                                  |
| BZG2715+ - BZG2715L+   | 3/4<br>7/8                    | 14.39<br>14.39                | 151.42<br>151.42                    | 544.55<br>544.55                      | 6202.9<br>6202.9                              | 4.18<br>4.18                 | 261.17<br>261.17                        |
| BZG715P+ - BZG715LP+   | 3/4                           | 14.39                         | 322.17                              | 1158.61                               | 1370.22                                       | 4.18                         | 122.75                                  |
| BZG2715P+ - BZG2715LP+ | 3/4<br>7/8                    | 14.39<br>14.39                | 322.17<br>322.17                    | 1158.61<br>1158.61                    | 1370.22<br>1370.22                            | 4.18<br>4.18                 | 122.75<br>122.75                        |
| BZG728+                | 3/4                           | 27.30                         | 95.79                               | 653.76                                | 15500.01                                      | 0.683                        | 217.54                                  |
| BZG2728+               | 3/4<br>7/8                    | 27.30<br>27.30                | 95.79<br>95.79                      | 653.76<br>653.76                      | 15500.01<br>15500.01                          | 0.683<br>0.683               | 217.54<br>217.54                        |
| BZG728L+               | 3/4                           | 27.30                         | 95.79                               | 653.76                                | 15500.01                                      | 0.683                        | 217.54                                  |
| BZG2728L+              | 3/4<br>7/8                    | 27.30<br>27.30                | 95.79<br>95.79                      | 653.76<br>653.76                      | 15500.01<br>15500.01                          | 0.683<br>0.683               | 217.54<br>217.54                        |
| BZG755AC               | 3/T<br>4/T<br>7/T             | 3.15<br>3.15<br>3.15          | 214.29<br>321.43<br>321.43          | 168.75<br>253.13<br>253.13            | 3097.28<br>1376.57<br>1376.57                 | 1000<br>1000<br>1000         | 842.80<br>140.47<br>140.47              |
| BZG756AC               | 3/T<br>4/T<br>7/T             | 3.15<br>3.15<br>3.15          | 214.29<br>321.43<br>321.43          | 168.75<br>253.13<br>253.13            | 3097.28<br>1376.57<br>1376.57                 | 1000<br>1000<br>1000         | 842.80<br>140.47<br>140.47              |
| BZG760AC               | 3/T<br>4/T<br>3/4<br>3/T//4/T | 4.94<br>4.94<br>5.64<br>4.94  | 110.53<br>110.53<br>63.10<br>221.05 | 136.36<br>136.36<br>88.89<br>272.72   | 11642.23<br>11642.23<br>35717.62<br>2910.56   | 1000<br>1000<br>1000<br>1000 | 1042.98<br>1042.98<br>1599.89<br>521.49 |
| BZG761+                | 3/T<br>4/T<br>3/4<br>3/T//4/T | 9.56<br>9.56<br>10.26<br>9.56 | 214<br>214<br>114.84<br>428.00      | 511.19<br>511.19<br>294.41<br>1022.37 | 3105.62<br>3105.62<br>10784.48<br>776.41      | 26<br>26<br>18<br>26         | 278.22<br>278.22<br>483.07<br>139.11    |
| BZG764+                | 3/T<br>4/T<br>3/4<br>3/T//4/T | 9.56<br>9.56<br>10.26<br>9.56 | 40.39<br>40.39<br>21.68<br>80.79    | 96.49<br>96.49<br>55.57<br>192.98     | 87166.98<br>87166.98<br>302692.76<br>21791.74 | 26<br>26<br>18<br>26         | 1473.97<br>1473.97<br>2559.23<br>736.99 |



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| Models                  | Terminals       | Uo (V) | Io (mA) | Po (mW) | Lo (μH)  | Co (μF) | L/R (μH/Ω) |
|-------------------------|-----------------|--------|---------|---------|----------|---------|------------|
| BZG767+                 | 3/T             | 14.39  | 151.42  | 544.55  | 6202.90  | 4.18    | 261.17     |
|                         | 4/T             | 14.39  | 151.42  | 544.55  | 6202.90  | 4.18    | 261.17     |
|                         | 3/4             | 15.79  | 83.08   | 327.85  | 20605.61 | 2.88    | 433.80     |
|                         | 3/T//4/T        | 14.39  | 302.84  | 1089.1  | 1550.73  | 4.18    | 130.59     |
| BZG787+ -<br>BZG787L+   | 3/T             | 27.30  | 87.08   | 594.33  | 18755.01 | 0.683   | 239.30     |
|                         | 4/T             | 0.00   | 0.00    | 0.00    | -        | -       | -          |
|                         | 3/4             | 28     | 89.31   | 625.20  | 17828.98 | 0.65    | 227.48     |
|                         | 3//4/T          | 27.30  | 87.08   | 594.33  | 18755.01 | 0.683   | 239.30     |
| BZG787P+ -<br>BZG787LP+ | 3/T             | 27.30  | 115.41  | 787.67  | 10677.95 | 0.683   | 180.56     |
|                         | 4/T             | 0.00   | 0.00    | 0.00    | -        | -       | -          |
|                         | 3/4             | 28     | 118.37  | 828.58  | 10150.73 | 0.65    | 171.65     |
|                         | 3//4/T          | 27.30  | 115.41  | 787.67  | 10677.95 | 0.683   | 180.56     |
| BZG787LP+               | 3/T             | 27.30  | 115.41  | 787.67  | 10677.95 | 0.683   | 180.56     |
|                         | 4/T             | 0.00   | 0.00    | 0.00    | -        | -       | -          |
|                         | 3/4             | 28     | 118.37  | 828.58  | 10150.73 | 0.65    | 171.65     |
|                         | 3//4/T          | 27.30  | 115.41  | 787.67  | 10677.95 | 0.683   | 180.56     |
| BZG788+                 | 3/T             | 27.30  | 95.79   | 653.76  | 15500.01 | 0.683   | 217.54     |
|                         | 4/T             | 9.56   | 197.21  | 471.09  | 3656.74  | 26      | 301.90     |
|                         | 3/4             | 28     | 83.97   | 587.79  | 20170.32 | 0.65    | 241.96     |
|                         | 3/T//4/T        | 10.15  | 245.11  | 621.96  | 2367.29  | 18.70   | 228.67     |
| BZG788L+                | 3/T             | 27.30  | 95.79   | 653.76  | 15500.01 | 0.683   | 217.54     |
|                         | 4/T             | 9.56   | 197.21  | 471.09  | 3656.74  | 26      | 301.90     |
|                         | 3/4             | 28     | 83.97   | 587.79  | 20170.32 | 0.65    | 241.96     |
|                         | 3/T//4/T        | 10.15  | 245.11  | 621.96  | 2367.29  | 18.70   | 228.67     |
| BZG789+ -<br>BZG789L+   | 3/T             | 27.30  | 46.35   | 316.34  | 66202.25 | 0.683   | 449.59     |
|                         | 7/T             | 27.30  | 46.35   | 316.34  | 66202.25 | 0.683   | 449.59     |
|                         | 4/T & 8/T       | 0.00   | 0.00    | 0.00    | -        | -       | -          |
|                         | 3//7/T          | 27.30  | 92.70   | 632.67  | 16550.56 | 0.683   | 224.80     |
|                         | 3/4 & 8/7       | 28     | 47.54   | 332.77  | 62933.51 | 0.650   | 427.39     |
|                         | 3//7/4 & 3//7/8 | 28     | 95.08   | 665.53  | 15733.38 | 0.650   | 213.70     |
| BZG796+ -<br>BZG796L+   | 3/T             | 25.20  | 88.42   | 557.05  | 18190.98 | 0.82    | 255.31     |
|                         | 4/T             | 18.90  | 51.01   | 241.03  | 54653.79 | 1.6     | 590.05     |
|                         | 3/4             | 25.90  | 39.51   | 255.84  | 91098.94 | 0.77    | 555.91     |
|                         | 3/T//4/T        | 22.46  | 139.43  | 782.95  | 7315.35  | 1.080   | 181.65     |



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| Models                  | Terminals | Uo (V) | Io (mA) | Po (mW) | Lo (μH) | Co (μF) | L/R (μH/Ω) |
|-------------------------|-----------|--------|---------|---------|---------|---------|------------|
| BZG710+ -<br>BZG710L+   | 3/4       | 9.56   | 197     | 470     | 3664    | 26      | 302        |
| BZG722+ -<br>BZG722L+   | 3/4       | 21     | 147     | 771     | 6581    | 1.27    | 184        |
| BZG728- -<br>BZG728L-   | 3/4       | -27.3  | 95      | 648     | 15758   | 0.683   | 219        |
| BZG728P+ -<br>BZG728LP+ | 3/4       | 27.3   | 117.5   | 802     | 10294   | 0.683   | 177        |
| BZG729P+ -<br>BZG729LP+ | 3/4       | 27.3   | 164.8   | 1125    | 5234    | 0.683   | 126        |
| BZG766AC                | 3/T       | 11.2   | 78.6    | 220     | 23022   | 12.6    | 646        |
|                         | 4/T       | 11.2   | 78.6    | 220     | 23022   | 12.6    | 646        |
|                         | 3/4       | 22.4   | 78.6    | 440     | 23022   | 1.09    | 323        |
|                         | 3/T//4/T  | 11.2   | 157.1   | 440     | 5762    | 1.09    | 323        |
| BZG764AC                | 3/T       | 11.2   | 11.79   | 33      | 1000000 | 12.6    | 4308       |
|                         | 4/T       | 11.2   | 11.79   | 33      | 1000000 | 12.6    | 4308       |
|                         | 3/4       | 22.4   | 11.79   | 66      | 1000000 | 1.09    | 2154       |
|                         | 3/T//4/T  | 11.2   | 23.58   | 66      | 255810  | 1.09    | 2154       |
| BZG796- -<br>BZG796L-   | 3/T       | -25.2  | 88.4    | 557     | 18190   | 0.82    | 255        |
|                         | 4/T       | -9.56  | 25.79   | 61.6    | 213836  | 26      | 2308       |
|                         | 3/4       | -25.9  | 39.5    | 255.8   | 91098   | 0.77    | 555        |
|                         | 3/T//4/T  | -18.4  | 114     | 525     | 10903   | 1.69    | 270        |
| BZG801 -<br>BZG801L     | 3/4       | 17.2   | 121     | 520     | 9739    | 2.06    | 273        |
| BZG802 -<br>BZG802L     | 3/4       | 17.2   | 324     | 1393    | 1357    | 2.06    | 102        |
| BZG803 -<br>BZG803L     | 3/4       | 17.2   | 70.6    | 304     | 28559   | 2.06    | 468        |
| BZG2710+ -<br>BZG2710L+ | 3/4       | 9.56   | 197     | 470     | 3664    | 26      | 302        |
|                         | 7/8       | 9.56   | 197     | 470     | 3664    | 26      | 302        |
| BZG2722+ -<br>BZG2722L+ | 3/4       | 21     | 147     | 771     | 6581    | 1.27    | 184        |
|                         | 7/8       | 21     | 147     | 771     | 6581    | 1.27    | 184        |



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| Models                  | Terminals  | Uo (V)         | Io (mA)        | Po (mW)      | Lo (μH)        | Co (μF)        | L/R (μH/Ω) |
|-------------------------|------------|----------------|----------------|--------------|----------------|----------------|------------|
| BZG2728-<br>BZG2728L-   | 3/4<br>7/8 | -27.3<br>-27.3 | 95<br>95       | 648<br>648   | 15758<br>15758 | 0.683<br>0.683 | 219<br>219 |
| BZG2728P+<br>BZG2728LP+ | 3/4<br>7/8 | 27.3<br>27.3   | 117.5<br>117.5 | 802<br>802   | 10294<br>10294 | 0.683<br>0.683 | 177<br>177 |
| BZG2729P+<br>BZG2729LP+ | 3/4<br>7/8 | 27.3<br>27.3   | 164.8<br>164.8 | 1125<br>1125 | 5234<br>5234   | 0.683<br>0.683 | 126<br>126 |
| BZG2801<br>BZG2801L     | 3/4<br>7/8 | 17.2<br>17.2   | 121<br>121     | 520<br>520   | 9739<br>9739   | 2.06<br>2.06   | 273<br>273 |
| BZG2802-<br>BZG2802L    | 3/4<br>7/8 | 17.2<br>17.2   | 324<br>324     | 1393<br>1393 | 1357<br>1357   | 2.06<br>2.06   | 102<br>102 |
| BZG2803<br>BZG2803L     | 3/4<br>7/8 | 17.2<br>17.2   | 70.6<br>70.6   | 304<br>304   | 28559<br>28559 | 2.06<br>2.06   | 468<br>468 |