

| FUNCTION                             |                    | CODE     | HEADING TO USE     |                  |                 |                  |                |                   |                                       |                            |                |                                  | DRG. No. | MANUFACTURERS (See Sect. 2 for full names and addresses) |                  |                 |
|--------------------------------------|--------------------|----------|--------------------|------------------|-----------------|------------------|----------------|-------------------|---------------------------------------|----------------------------|----------------|----------------------------------|----------|--|------------------|-----------------|
| Signal: Rectify: Switch: $\mu$ wave. | SIG: REC: SW: MIC. | TUN VC   | V <sub>r</sub>     | I <sub>f</sub>   | I <sub>vr</sub> | I <sub>s</sub>   | V <sub>f</sub> | I <sub>fmin</sub> | MAX. TEMP. - Junc except where stated | C <sub>d</sub>             |                | t <sub>rr</sub> @ I <sub>f</sub> |          |  | Refer to Sect. 8 |                 |
|                                      |                    |          | V <sub>r</sub>     | I <sub>f</sub>   | C <sub>t</sub>  | $\Delta$ C       | V <sub>c</sub> | f <sub>c</sub>    |                                       | Min.                       | Max.           | I <sub>p</sub>                   |          |  |                  | I <sub>pV</sub> |
| Tunnel, Vari-C & V-sensitive diodes. | Z                  | MATERIAL | V <sub>r</sub>     | I <sub>max</sub> | I <sub>vr</sub> | Temp. Co-ef.     | V <sub>f</sub> | P <sub>tot</sub>  | MAX. TEMP. - Junc except where stated | V <sub>z</sub>   tol       |                | I <sub>z</sub>                   |          |  |                  | R <sub>z</sub>  |
| Regulators and Reference diodes.     | SCR 3-4D           |          | V <sub>r-off</sub> | I <sub>f</sub>   | t <sub>on</sub> | t <sub>off</sub> | V <sub>f</sub> | dV/dt             |                                       | Gate (or V <sub>sw</sub> ) | I <sub>h</sub> | I <sub>off</sub>                 | 16       |  |                  |                 |
| SCRs. 3-4 Layer diodes.              | 2                  | 3        | 4                  | 5                | 6               | 7                | 8              | 9                 | 10                                    | 11                         | 12             | 13                               |          | 14   | 15               |                 |
| TYPE NUMBER                          | 2                  | 3        | 4                  | 5                | 6               | 7                | 8              | 9                 | 10                                    | 11                         | 12             | 13                               |          | 14   | 15               |                 |
| 42TB6                                | SCR                |          | 600                | 135              |                 |                  |                | 2.2               | 120                                   | 20                         | 3              |                                  |          | 15m  | X10 g4           | HIN WBS         |
| 42TB7                                | SCR                |          | 700                | 135              |                 |                  |                | 2.2               | 120                                   | 20                         | 3              |                                  | 15m      | C25 g4   | HIN WBS          |                 |
| 42TB8                                | SCR                |          | 800                | 135              |                 |                  |                | 2.2               | 120                                   | 20                         | 3              |                                  | 15m      | C25 g4   | HIN WBS          |                 |
| 42TB9                                | SCR                |          | 900                | 135              |                 |                  |                | 2.2               | 120                                   | 20                         | 2              |                                  | 15m      | C25 g4   | HIN WBS          |                 |
| 42TB10                               | SCR                |          | 1K                 | 135              |                 |                  |                | 2.2               | 120                                   | 20                         | 3 0            |                                  | 15m      | C25 g4   | HIN WBS          |                 |
| 42TB11                               | SCR                |          | 1.1K               | 135              |                 |                  |                | 2.2               | 120                                   | 20                         | 3 0            |                                  | 15m      | C25 g4   | HIN WBS          |                 |
| 42TB12                               | SCR                |          | 1.2K               | 130              |                 |                  |                | 2.2               | 120                                   | 20                         | 3 0            |                                  | 15m      | C25 g4   | HIN WBS          |                 |
| 42TB13                               | SCR                |          | 1.3K               | 135              |                 |                  |                | 2.2               | 120                                   | 20                         | 3              |                                  | 15m      | C25 g4   | HIN WBS          |                 |
| 42TB14                               | SCR                |          | 1.4K               | 135              |                 |                  |                | 2.2               | 120                                   | 20                         | 3              |                                  | 15m      | C25 g4   | HIN WBS          |                 |
| 42TB15                               | SCR                |          | 1.5K               | 135              |                 |                  |                | 2.2               | 120                                   | 20                         | 3              |                                  | 15m      | C25 g4   | HIN WBS          |                 |
| 42-9                                 | SCR                |          | 800                | 1K               |                 |                  |                | 1.9               | 100                                   | 150m                       | 3 5            | 70m                              | 50m      | AEI  |                  |                 |
| 43TB1                                | SCR                |          | 100                | 175              |                 |                  |                | 2.2               | 120                                   | 20                         | 3 0            |                                  | 15m      | HIN WBS  |                  |                 |
| 43TB2                                | SCR                |          | 00                 | 170              |                 |                  |                | 2.2               | 120                                   | 20                         | 3              |                                  | 15m      | C25 g4   | HIN WBS          |                 |
| 43TB3                                | SCR                |          | 300                | 175              |                 |                  |                | 2.2               | 120                                   | 20                         | 3              |                                  | 15m      | C25 g4   | HIN WBS          |                 |
| 43TB4                                | SCR                |          | 300                | 175              |                 |                  |                | 2.2               | 120                                   | 20                         | 3              |                                  | 15m      | C25 g4   | HIN WBS          |                 |
| 43TB6                                | SCR                |          | 600                | 175              |                 |                  |                | 2.2               | 120                                   | 20                         | 3              |                                  | 15m      | C25 g4   | HIN WBS          |                 |
| 43TB7                                | SCR                |          | 700                | 175              |                 |                  |                | 2.2               | 120                                   | 20                         | 3              |                                  | 15m      | C25 g4   | HIN WBS          |                 |
| 43TB8                                | SCR                |          | 800                | 175              |                 |                  |                | 2.2               | 120                                   | 20                         | 3              |                                  | 15m      | C25 g4   | HIN WBS          |                 |
| 43TB9                                | SCR                |          | 00                 | 175              |                 |                  |                | 2.2               | 120                                   | 20                         | 3              |                                  | 15m      | C25 g4   | HIN WBS          |                 |
| 43TB10                               | SCR                |          | 1K                 | 175              |                 |                  |                | 2.2               | 120                                   | 20                         | 3 0            | 5m                               | 15m      | C25 g4   | HIN WBS          |                 |
| 43TB10                               | SCR                |          | K                  | 70               |                 |                  |                | 1.4               | 200                                   | 60m                        | 3              | 100m                             | 10m      | S60 b6   | WBS              |                 |
| 43TB11                               | SCR                |          | 1.1K               | 175              |                 |                  |                | 2.2               | 120                                   | 20                         | 3 0            |                                  | 15m      | C25 g4   | HIN WBS          |                 |
| 43TB12                               | SCR                |          | 1.2K               | 175              |                 |                  |                | 2.2               | 120                                   | 20                         | 3 0            |                                  | 15m      | C25  | HIN WBS          |                 |
| 43TB13                               | SCR                |          | 1.3K               | 175              |                 |                  |                | 2.2               | 120                                   | 200m                       | 3              |                                  | 15m      | C25 g4   | WBS              |                 |
| 43TB14                               | SCR                |          | 4K                 | 175              |                 |                  |                | 2.2               | 120                                   | 200m                       | 3              | 15m                              |          | C25 g4   | WBS              |                 |
| 43TB14                               | SCR                |          | 1.4K               | 175              |                 |                  |                | 2.2               | 120                                   | 200m                       | 3              | 15m                              |          | C25 g4   | WBS              |                 |
| 43TB15                               | SCR                |          | 1.5K               | 175              |                 |                  |                | 2.2               | 120                                   | 20m                        | 3              |                                  | 15m      | C25 g4   | WBS              |                 |
| 43TB15                               | SCR                |          | 1.5K               | 175              |                 |                  |                | 2.2               | 120                                   | 200m                       | 3              |                                  | 15m      | C25 g4   | WBS              |                 |
| 44TB1                                | SCR                |          | 100                | 70               |                 |                  |                | 1.7               | 200                                   | 60m                        | 3 0            | 100m                             | 10m      | S60 b6   | WBS              |                 |
| 44TB2                                | SCR                |          | 200                | 70               | 15 $\mu$        | 100 $\mu$        | 1.5            | 150               | 120                                   | 65m                        | 3              | 110m                             | 12m      | S60 b6   | WBS              |                 |
| 44TB3                                | SCR                |          | 00                 | 70               |                 |                  |                | 1.7               | 200                                   | 60m                        | 3              | 100m                             | 10m      | S60 b6   | WBS              |                 |
| 44TB4                                | SCR                |          | 400                | 70               |                 |                  |                | 1.7               | 200                                   | 60m                        | 3              | 100m                             | 10m      | S60 b6   | WBS              |                 |
| 44TB5                                | SCR                |          | 500                | 70               |                 |                  |                | 1.7               | 200                                   | 60m                        | 3              | 100m                             | 10m      | S60 b6   | WBS              |                 |
| 44TB5                                | SCR                |          | 500                | 175              |                 |                  |                | 2.2               | 120                                   | 20                         | 3              |                                  | 15m      | C25 g4   | HIN WBS          |                 |
| 44TB6                                | SCR                |          | 600                | 70               |                 |                  |                | 1.7               | 200                                   | 60m                        | 3              | 100m                             | 10m      | S60 b6   | WBS              |                 |
| 44TB7                                | SCR                |          | 700                | 70               |                 |                  |                | 1.7               | 200                                   | 6m                         | 3              | 100m                             | 10m      | S60 b6   | WBS              |                 |
| 44TB8                                | SCR                |          | 800                | 70               |                 |                  |                | 1.7               | 200                                   | 60m                        | 3              | 100m                             | 10m      | S60 b6   | WBS              |                 |
| 44TB9                                | SCR                |          | 900                | 70               |                 |                  |                | 1.7               | 200                                   | 60m                        | 3              | 100m                             | 10m      | S60 b6   | WBS              |                 |
| 44TB10                               | SCR                |          | K                  | 70               |                 |                  |                | 1.7               | 200                                   | 60m                        | 3              | 100m                             | 10m      | S60 b6   | WBS              |                 |
| 44TB11                               | SCR                |          | 11K                | 705              |                 |                  |                | 1.7               | 200                                   | 60m                        | 3 0            | 100m                             | 10m      | S60 b6   | WBS              |                 |
| 44TB12                               | SCR                |          | 1.2K               | 705              |                 |                  |                | 1.7               | 200                                   | 60m                        | 3 0            | 100m                             | 10m      | S66 b6   | WBS              |                 |
| 45TB1                                | SCR                |          | 100                | 70               |                 |                  |                | 1.4               | 200                                   | 60m                        | 3 0            | 100m                             | 10m      | S60 b6   | WBS              |                 |
| 45TB2                                | SCR                |          | 200                | 70               | 10 $\mu$        | 50 $\mu$         | 1.2            | 180               | 120                                   | 60m                        | 3              | 110m                             | 12m      | S60 b6   | WBS              |                 |
| 45TB3                                | SCR                |          | 300                | 70               |                 |                  |                | 1.4               | 200                                   | 60m                        | 3              | 100m                             | 10m      | S60 b6   | WBS              |                 |
| 45TB4                                | SCR                |          | 400                | 70               |                 |                  |                | 1.4               | 200                                   | 60m                        | 3              | 100m                             | 10m      | S60 b6   | WBS              |                 |
| 45TB5                                | SCR                |          | 500                | 70               |                 |                  |                | 1.4               | 200                                   | 60m                        | 3              | 100m                             | 10m      | S60 b6   | WBS              |                 |
| 45TB6                                | SCR                |          | 600                | 70               |                 |                  |                | 1.4               | 200                                   | 60m                        | 3              | 100m                             | 10m      | S60 b6   | WBS              |                 |
| 45TB7                                | SCR                |          | 700                | 70               |                 |                  |                | 1.4               | 200                                   | 60m                        | 3              | 100m                             | 10m      | S60 b6   | WBS              |                 |
| 45TB8                                | SCR                |          | 800                | 70               |                 |                  |                | 1.4               | 200                                   | 60m                        | 3              | 100m                             | 10m      | S60 b6   | WBS              |                 |
| 45TB9                                | SCR                |          | 900                | 70               |                 |                  |                | 1.4               | 200                                   | 60m                        | 3              | 100m                             | 10m      | S60 b6   | WBS              |                 |
| 46TB1                                | SCR                |          | 100                | 195              |                 |                  |                | 2.0               | 120                                   | 20                         | 3 0            | 250m                             | 15m      | C25 g4   | HIN WBS          |                 |
| 46TB2                                | SCR                |          | 200                | 190              |                 |                  |                | 2                 | 120                                   | 20                         | 3              | 250m                             | 15m      | C25 g4   | HIN WBS          |                 |
| 46TB3                                | SCR                |          | 300                | 195              |                 |                  |                | 2                 | 120                                   | 20                         | 3              | 250m                             | 15m      | C25 g4   | HIN WBS          |                 |
| 46TB4                                | SCR                |          | 400                | 195              |                 |                  |                | 2.0               | 120                                   | 20                         | 3              | 250m                             | 15m      | C25 g4   | HIN WBS          |                 |
| 46TB5                                | SCR                |          | 500                | 195              |                 |                  |                | 2                 | 120                                   | 20                         | 3              | 250m                             | 15m      | C25 g4   | HIN WBS          |                 |
| 46TB6                                | SCR                |          | 600                | 195              |                 |                  |                | 2.0 $\mu$         | 120                                   | 20                         | 3 0 $\mu$      | 250m                             | 15m      | C25 g4   | HIN WBS          |                 |
| 46TB7                                | SCR                |          | 700                | 190              |                 |                  |                | 2.0               | 120                                   | 20                         | 3              | 250m                             | 15m      | C25 g4   | HIN WBS          |                 |
| 46TB8                                | SCR                |          | 800                | 195              |                 |                  |                | 2.0               | 120                                   | 20                         | 3              | 250m                             | 15m      | C25 g4   | HIN WBS          |                 |
| 46TB9                                | SCR                |          | 900                | 195              |                 |                  |                | 2                 | 120                                   | 20                         | 3              | 250m                             | 15m      | C25 g4   | HIN WBS          |                 |
| 46TB10                               | SCR                |          | 1K                 | 195              |                 |                  |                | 2.0               | 120                                   | 20                         | 3 0            | 250m                             | 15m      | C25 g4   | HIN WBS          |                 |
| 46TB11                               | SCR                |          | 1.1K               | 195              |                 |                  |                | 2.0               | 120                                   | 0                          | 3 0            | 250m                             | 15m      | C25 g4   | HIN WBS          |                 |
| 46TB12                               | SCR                |          | 1.2K               | 195              |                 |                  |                | 2.0               | 120                                   | 20                         | 3 0            | 250m                             | 15m      | C25 g4   | HIN WBS          |                 |
| 46TB13                               | SCR                |          | .3K                | 195              |                 |                  |                | 2                 | 120                                   | 200m                       | 3              | 250m                             | 15m      | C25 g4   | WBS              |                 |
| 46TB14                               | SCR                |          | 1.4K               | 195              |                 |                  |                | 2                 | 120                                   | 200m                       | 3              | 250m                             | 15m      | C25 g4   | WBS              |                 |
| 46TB15                               | SCR                |          | 1.5K               | 195              |                 |                  |                | 2                 | 120                                   | 00m                        | 3              | 250m                             | 15m      | C25 g4   | WBS              |                 |
| 47T1                                 | SCR                |          | 100                | 220              |                 |                  |                | 1.9               | 120                                   | 00m                        | 3 0            | 250m                             | 15m      | C25 g4   | HIN              |                 |
| 47T2                                 | SCR                |          | 200                | 220              |                 |                  |                | 1.9               | 120                                   | 200m                       | 3              | 250m                             | 15m      | C25 g4   | HIN              |                 |
| 47T3                                 | SCR                |          | 300                | 200              |                 |                  |                | 1.9               | 120                                   | 200m                       | 3              | 250m                             | 15m      | C25 g4   | HIN              |                 |
| 47T4                                 | SCR                |          | 400                | 220              |                 |                  |                | 1.9               | 120                                   | 200m                       | 3              | 250m                             | 15m      | C25 g4   | HIN              |                 |
| 47T5                                 | SCR                |          | 500                | 220              |                 |                  |                | 1.9               | 120                                   | 200m                       | 3              | 250m                             | 15m      | C25 g4   | HIN              |                 |
| 47T6                                 | SCR                |          | 600                | 220              |                 |                  |                | 1.9               | 120                                   | 200m                       | 3              | 250m                             | 15m      | C25 g4   | HIN              |                 |
| 47T7                                 | SCR                |          | 700                | 220              |                 |                  |                | 1.9               | 120                                   | 200m                       | 3              | 250m                             | 15m      | C25 g4   | HIN              |                 |
| 47T8                                 | SCR                |          | 800                | 220              |                 |                  |                | 1.9               | 120                                   | 200m                       | 3              | 250m                             | 15m      | C25 g4   | HIN              |                 |
| 47T9                                 | SCR                |          | 900                | 220              |                 |                  |                | 1.9               | 120                                   | 200m                       | 3              | 250m                             | 15m      | C25 g4   | HIN              |                 |
| 47T10                                | SCR                |          | 1K                 | 220              |                 |                  |                | 1.9               | 120                                   | 200m                       | 3 0            | 250m                             | 15m      | C25 g4   | HIN              |                 |
| 47T11                                | SCR                |          | 1.1K               | 220              |                 |                  |                | 1.9               | 120                                   | 200m                       | 3 0            | 250m                             | 15m      | C25 g4   | HIN              |                 |
| 47T12                                | SCR                |          | 1.2K               | 220              |                 |                  |                | 1.9               | 120                                   | 200m                       | 3 0            | 250m                             | 15m      | C25 g4   | HIN              |                 |
| 47TB1                                | SCR                |          | 100                | 220              |                 |                  |                | 1.9               | 120                                   | 200m                       | 3 0            | 250m                             | 15m      | C25 g4   | WBS              |                 |
| 47TB2                                | SCR                |          | 200                | 220              |                 |                  |                | 1.9               | 120                                   | 200m                       | 3              | 250m                             | 15m      | C25 g4   | WBS              |                 |
| 47TB3                                | SCR                |          | 300                | 220              |                 |                  |                | 1.9               | 120                                   | 200m                       | 3              | 250m                             | 15m      | S25 g4   | WBS              |                 |