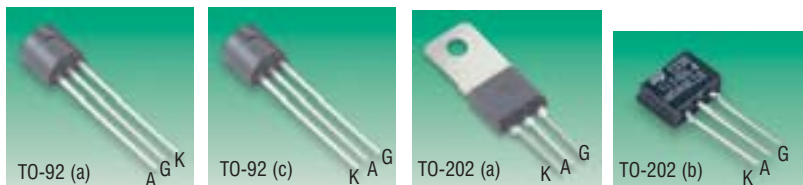


TO-92/TO-126/TO-202/SOT-82, Sensitive Gate



| I_T rms A | V_{RRM}/V_{DRM} V | I_T av A | I_{TSM} A | I_{GT} μ A | V_{GT} V | Package | Mftr. | Mftrs. List No. |
|----------------|------------------------|---------------|----------------|---------------------|---------------|--------------|-------|-----------------|
| 0.8 | 30 | 0.32 | 5 | 350 | 1.2 | TO-92 (a) | ON | 2N5060G |
| 0.8 | 60 | 0.32 | 5 | 350 | 1.2 | TO-92 (a) | ON | 2N5061G |
| 0.8 | 60 | 0.32 | 7 | 500 | 1.0 | TO-92 (a) | SEM | C203YY |
| 0.8 | 100 | 0.32 | 5 | 350 | 1.2 | TO-92 (a) | — | 2N5062G |
| 0.8 | 200 | 0.32 | 5 | 350 | 1.2 | TO-92 (a) | — | 2N5064G |
| 0.8 | 400 | 0.5 | 7 | 50 | 0.8 | TO-92 (a) | ST | P0115DA |
| 1.25 | 600 | 0.8 | 22.5 | 200 | 0.8 | TO-92 (a) | ST | X0202MA |
| 1.25 | 600 | 0.8 | 22.5 | 200 | 0.8 | TO-92 (a) | ST | X0203MA |
| 2.0 | 400 | 2 | 15 | 200 | 1.0 | TO-92 (c) | BNS | TICP106D |
| 2.0 | 600 | 2 | 15 | 200 | 1.0 | TO-92 (c) | BNS | TICP106M |
| 2.5 | 400 | 1.7 | 17 | 500 | 1.0 | TO-126 | ON | C106D1G |
| 2.5 | 600 | 1.7 | 17 | 500 | 1.0 | TO-126 | ON | C106M1G |
| 4.0 | 400 | 2.5 | 30 | 200 | 0.8 | TO-202-3 (a) | ST | X0402DF. |
| 4.0 | 600 | 2.5 | 30 | 200 | 0.8 | TO-202-3 (b) | ST | X0402MF |
| 4.0 | 600 | 2.5 | 30 | 200 | 0.8 | TO-202-3 (b) | ST | X0403MF |

229177

| Mftrs. List No. | Mftr. | Order Code | 5+ | 25+ | 100+ | 250+ | + |
|-----------------|-------|------------|--------|-------|-------|-------|----|
| C106D1G | ON | 955-6494 | 17.00 | 15.00 | 13.00 | 12.00 | -- |
| C106M1G | ON | 955-6508 | 17.00 | 15.00 | 13.00 | 12.00 | -- |
| C203YY | SEM | 120-8633 | 117.00 | 82.00 | 65.00 | 38.00 | -- |
| P0102DA | ST | 980-2541 | 14.00 | 10.00 | 8.00 | 7.00 | -- |
| P0115DA | ST | 980-2550 | 18.00 | 13.00 | 11.00 | 9.00 | -- |
| | | | 1+ | 25+ | 100+ | 250+ | + |
| S0402MH | ST | 705-779 | 96.00 | 74.00 | 60.00 | 50.00 | -- |
| S0817NH | ST | 705-792 | 89.00 | 68.00 | 55.00 | 46.00 | -- |
| TICP106D | BNS | 363-005 | 66.00 | 51.00 | 35.00 | 21.00 | -- |
| TICP106M | BNS | 121-6241 | 70.00 | 52.00 | 36.00 | 29.00 | -- |
| | | | 5+ | 25+ | 100+ | 250+ | + |
| X0202MA | ST | 980-4528 | 31.00 | 22.00 | 19.00 | 16.00 | -- |
| X0402DF. | ST | 413-8582 | 24.00 | 21.00 | 18.00 | 17.00 | -- |
| X0402MF | ST | 980-4544 | 40.00 | 28.00 | 24.00 | 20.00 | -- |
| X0403MF | ST | 980-4552 | 40.00 | 28.00 | 24.00 | 20.00 | -- |
| 2N5060G | ON | 955-6516 | 14.00 | 13.00 | 11.00 | 11.00 | -- |
| 2N5061G | ON | 955-6524 | 14.00 | 13.00 | 11.00 | 11.00 | -- |
| 2N5062G | ON | 955-6532 | 14.00 | 13.00 | 11.00 | 11.00 | -- |
| 2N5064G | ON | 955-6540 | 14.00 | 13.00 | 11.00 | 11.00 | -- |

TO-92, TO-126, TO-220



| I_T rms A | V_{RRM}/V_{DRM} V | I_T (av) A | I_{TSM} A | I_{GT} mA | V_{GT} V | Package | Mftrs. List No. |
|--|------------------------|-----------------|----------------|----------------|---------------|------------------|-----------------|
| Standard Gate Sensitivity | | | | | | | |
| 16 | 800 | 10 | 160 | 30 | 1.5 | TO-220 (SOT-78B) | 2N6405G |
| 25 | 400 | 16 | 300 | 40 | 1.5 | TO-220 (SOT-78B) | 2N6507G |
| 25 | 600 | 16 | 300 | 40 | 1.5 | TO-220 (SOT-78B) | 2N6508G |
| 25 | 800 | 16 | 300 | 40 | 1.5 | TO-220 (SOT-78B) | 2N6509G |
| Sensitive Gate, Reverse Blocking Triode | | | | | | | |
| 0.8 | 400 | - | 10 | 0.2 | 0.8 | TO-92 | MCR100-6G |
| 0.8 | 600 | - | 10 | 0.2 | 0.8 | TO-92 | MCR100-8G |
| 4.0 | 600 | 2.55 | 25 | 0.2 | 1.0 | TO-126 | MCR106-8G |

* High performance, reverse blocking thyristor

222093

| Mftrs. List No. | Order Code | 5+ | 25+ | 100+ | 250+ | + |
|-----------------|------------|--------|--------|--------|--------|----|
| MCR100-6G | 955-7270 | 16.00 | 15.00 | 13.00 | 12.00 | -- |
| MCR100-8G | 955-7288 | 15.00 | 13.00 | 12.00 | 11.00 | -- |
| MCR106-8G | 955-7318 | 19.00 | 17.00 | 15.00 | 14.00 | -- |
| | | 1+ | 25+ | 100+ | 250+ | + |
| 27-09-1-TGG | 116-9684 | 373.00 | 320.00 | 280.00 | 254.00 | -- |
| 2N6405G | 955-6176 | 94.00 | 78.00 | 59.00 | 46.00 | -- |
| 2N6507G | 955-7199 | 91.00 | 75.00 | 57.00 | 44.00 | -- |
| 2N6508G | 955-7180 | 91.00 | 75.00 | 57.00 | 44.00 | -- |
| 2N6509G | 955-7202 | 91.00 | 76.00 | 57.00 | 44.00 | -- |

10A to 40A



| I_T rms A | V_{RRM}/V_{DRM} V | I_T (av) A | I_{TSM} @ 25°C A | I_{GT} @ 25°C mA | V_{GT} V | Package | Mftrs. List No. | |
|----------------|------------------------|-----------------|--------------------------|--------------------------|---------------|----------|------------------|------------|
| 10 | 800 | 6.5 | 140 | 15 | 1.0 | TO-220AB | 12TTS08PBF | |
| 25 | 1200 | 16 | 250 | 20 | 1.25 | TO-220AC | 25TTS12PBF | |
| 16 | 1200 | 10 | 200 | 35 | 1.4 | D2-Pak | 16TTS12SPBF | |
| | | | | | | | TO-220 (SOT-78B) | 16TTS12PBF |
| 25 | 1200 | 16 | 250 | 20 | 1.25 | TO-220AC | 25TTS12PBF | |
| | | | | | | | TO-247 | 30TPS08PBF |
| | | | | | | | TO-247 | 40TPS08PBF |
| 55 | 1200 | 35 | 500 | 150 | 2.5 | TO-247AC | 40TPS12APBF | |

211346

| Mftrs. List No. | Order Code | 1+ | 25+ | 100+ | 250+ | + |
|-----------------|------------|--------|--------|--------|--------|----|
| 12TTS08PBF | 910-4291 | 117.00 | 84.00 | 64.00 | 55.00 | -- |
| 25TTS12PBF | 910-4550 | 199.00 | 143.00 | 109.00 | 94.00 | -- |
| 16TTS12SPBF | 910-4380 | 174.00 | 125.00 | 96.00 | 82.00 | -- |
| 16TTS12PBF | 910-4399 | 277.00 | 158.00 | 117.00 | 96.00 | -- |
| 25TTS12PBF | 910-4550 | 199.00 | 143.00 | 109.00 | 94.00 | -- |
| 30TPS08PBF | 910-4674 | 136.00 | 114.00 | 99.00 | 75.00 | -- |
| 30TPS12PBF | 910-4658 | 154.00 | 111.00 | 85.00 | 73.00 | -- |
| 30TPS16PBF | 910-4666 | 159.00 | 114.00 | 87.00 | 75.00 | -- |
| 40TPS08PBF | 910-4682 | 408.00 | 233.00 | 172.00 | 140.00 | -- |
| 40TPS12APBF | 910-4755 | 309.00 | 222.00 | 169.00 | 145.00 | -- |

TO-220, TO-218, TO-247



| I_T rms A | V_{RRM}/V_{DRM} V | I_T av A | I_{TSM} A | I_{GT} mA | V_{GT} V | Package | Mftr. | Mftrs. List No. |
|----------------|------------------------|---------------|----------------|----------------|---------------|------------------|-------|-----------------|
| 4.0 | 600 | 2.5 | 30 | 0.2 | 0.8 | TO-220AB | ST | TS420-600T. |
| 4.0 | 700 | 2.5 | 30 | 0.2 | 0.8 | TO-220AB | ST | TS420-700T |
| 5 | 800 | 3.2 | 30 | 200 | 1.0 | TO-220 | BNS | TIC106N. |
| 8.0 | 400 | 5 | 80 | 20 | 1.5 | TO-220 | BNS | TIC116D |
| 12 | 400 | 7.5 | 100 | 30 | 1.5 | TO-220 | ON | 2N6397 |
| 12 | 400 | 8 | 120 | 15 | 1.5 | TO-220 | ST | TYN412. |
| 12 | 400 | 8 | 120 | 15 | 1.5 | TO-220 (SOT-78B) | ST | TYN412 |
| 12 | 600 | 7.5 | 100 | 20 | 1.5 | TO-220 | BNS | TIC126M |
| 12 | 600 | 8 | 120 | 15 | 1.5 | TO-220 (SOT-78B) | ST | TYN612 |
| 12 | 800 | 8 | 120 | 15 | 1.5 | TO-220 | ST | TYN812. |
| 12 | 1000 | 8 | 120 | 30 | 1.5 | TO-220 | ST | TYN1012. |
| 12 | 1000 | 8 | 120 | 15 | 1.5 | TO-220 (SOT-78B) | ST | TYN1012 |
| 12 | 1000 | 8 | 120 | 15 | 1.5 | TO-220 | ST | TXN1012. |
| 12 | 1000 | 8 | 120 | 15 | 1.5 | TO-220 (SOT-78B) | ST | TXN1012 |
| 16 | 400 | 10 | 160 | 25 | 1.5 | TO-220 | ST | TYN416. |
| 25 | 200 | 16 | 300 | 40 | 1.5 | TO-220 (SOT-78B) | ST | TYN225 |
| 25 | 600 | 16 | 300 | 40 | 1.5 | TO-220 (SOT-78B) | ST | TYN625 |
| 25 | 600 | 16 | 300 | 40 | 1.5 | TO-220 | ST | TYN625. |
| 25 | 800 | 16 | 300 | 40 | 1.5 | TO-220 | ST | TYN825. |
| 30 | 600 | 19 | 420 | 50 | 1.5 | TO-218 | ST | BTW68-600RG |
| 30 | 600 | 19 | 420 | 50 | 1.5 | TO-218 | ST | BTW68-600. |
| 30 | 800 | 19 | 420 | 50 | 1.5 | TOP-3 | ST | BTW68-800. |
| 30 | 1200 | 19 | 420 | 50 | 1.5 | TO-218 | ST | BTW68-1200RG |
| 30 | 1200 | 19 | 420 | 50 | 1.5 | TO-218 | ST | BTW68-1200. |
| 50 | 200 | 32 | 525 | 80 | 1.5 | TOP-3 | ST | BTW69-200 |
| 50 | 200 | 32 | 525 | 80 | 1.5 | TOP-3 | ST | BTW69-200RG |
| 50 | 600 | 32 | 525 | 80 | 1.5 | TOP-3 | ST | BTW69-600. |
| 50 | 800 | 32 | 525 | 80 | 1.5 | TOP-3 | ST | BTW69-800 |
| 50 | 1000 | 32 | 525 | 80 | 1.5 | TOP-3 | ST | BTW69-1000. |
| 50 | 1200 | 32 | 525 | 80 | 1.5 | TOP-3 | ST | BTW69-1200 |

◆ Sensitive gate

211225

| Mftrs. List No. | Order Code | 1+ | 25+ | 100+ | 250+ | + |
|-----------------|------------|--------|--------|--------|--------|----|
| BTW68-600. | 251-999 | 279.00 | 213.00 | 173.00 | 144.00 | -- |
| TS420-600T | 980-4269 | 54.00 | 41.00 | 33.00 | 26.00 | -- |
| BTW68-600RG | 117-5637 | 287.00 | 220.00 | 178.00 | 140.00 | -- |
| BTW68-800. | 252-001 | 322.00 | 246.00 | 212.00 | 177.00 | -- |
| BTW68-1200. | 252-013 | 510.00 | 390.00 | 332.00 | 264.00 | -- |
| BTW68-1200RG | 117-5639 | 509.00 | 389.00 | 332.00 | 248.00 | -- |
| BTW69-200 | 251-940 | 274.00 | 210.00 | 170.00 | 142.00 | -- |
| BTW69-200RG | 105-7301 | 297.00 | 228.00 | 184.00 | 145.00 | -- |
| BTW69-600. | 251-951 | 302.00 | 231.00 | 198.00 | 165.00 | -- |
| BTW69-800 | 251-963 | 307.00 | 235.00 | 214.00 | 174.00 | -- |
| BTW69-800RG | 105-7302 | 350.00 | 268.00 | 230.00 | 192.00 | -- |
| BTW69-1000. | 251-975 | 466.00 | 357.00 | 307.00 | 241.00 | -- |
| BTW69-1200 | 251-987 | 558.00 | 427.00 | 364.00 | 306.00 | -- |
| BTW69-1200RG | 105-7300 | 531.00 | 406.00 | 346.00 | 291.00 | -- |

Semiconductors - Discretes

21

Compliant Non-compliant
RoHS Limited stock - RoHS replacement available