

FIG 41

|      |         |
|------|---------|
| Vref | 0       |
| I4   | 0.00489 |
| R4   | 10000   |

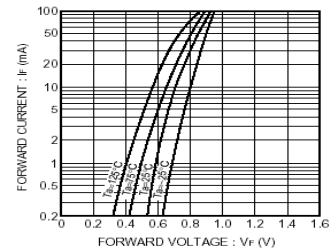
Input  
Result  
Data sheet (approx)

| Protected pairs N | 1         | Pmax(W) |       |
|-------------------|-----------|---------|-------|
| Vcc               | 50.00 V   |         |       |
| Re                | 0.22 Ω    |         |       |
| R1                | 15000 Ω   |         | 0.659 |
| R2                | 510 Ω     |         | 0.001 |
| R3*               | 82 Ω      |         | 0.003 |
| R4                | 10000 Ω   |         | 0.239 |
| Vref              | 0 V       |         |       |
| VceQ2             | 0.6 V     |         |       |
| Ib1               | 0.00489 A |         |       |
| Vd1               | 0.6 V     |         |       |

0.0049

\*For N protected pairs of o/p devices, R3 actual = R3\*xN

| Vce   | Ic     | Vout    |    |
|-------|--------|---------|----|
| 0.00  | 4.9763 | 48.9052 | 96 |
| 49.57 | 1.9383 | 0.00    |    |
| 99.85 | 0.6958 | -50.00  |    |
| 49.57 | 1.94   | 0       | 96 |



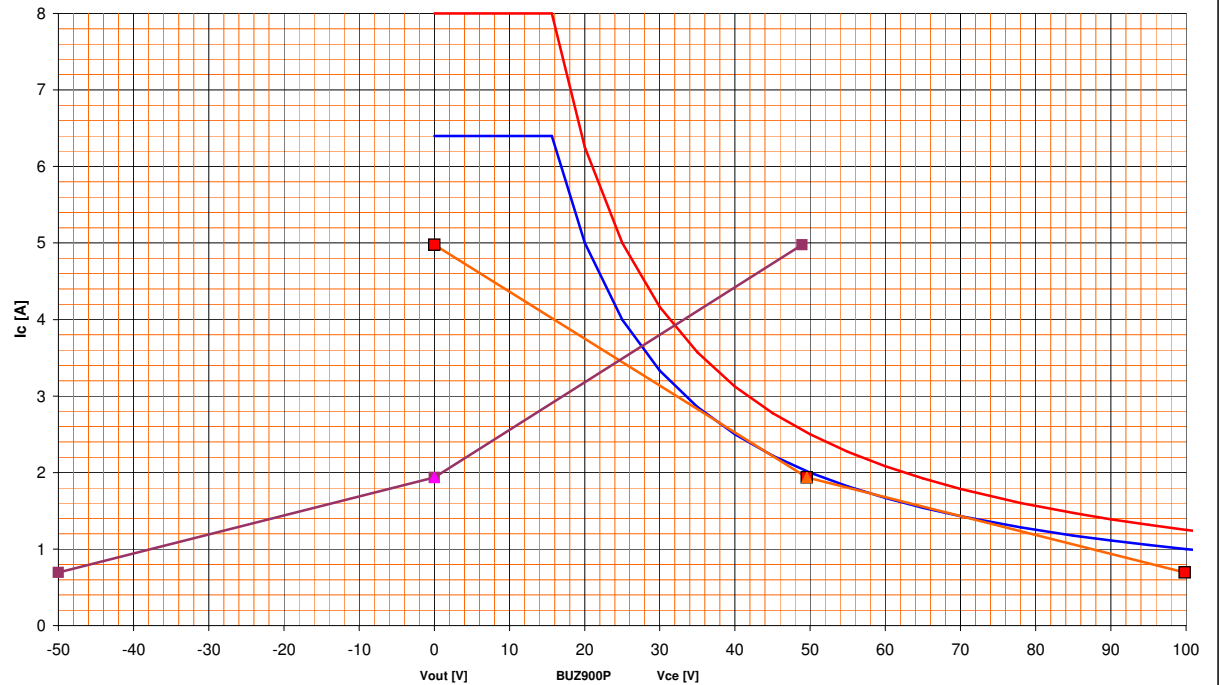
|    |         |
|----|---------|
| R5 | 10000 Ω |
| C1 | 3.3 μF  |

| Loss    | Freq (Hz) | Period (ms) |
|---------|-----------|-------------|
| -0.25dB | 1.21      | 829.38      |
| -1dB    | 2.41      | 414.69      |
| -3dB    | 4.82      | 207.35      |
| -7.5dB  | 9.65      | 103.67      |
| -12.5dB | 19.29     | 51.84       |
| -18dB   | 38.58     | 25.92       |

FIG 19

(R1=nc, Vref=0)

0.943856 Check Eqn1 To check=0.6,make R4 nc (eg 10^10) ie as Fig 1.  
0.6 Check Eqn2



Power Limit\_Tc25 DC Ic @ Tc50 Fig41 Dual Slope Protect Vout Vce@Vo=0 Ic@Vo=0