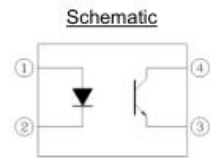
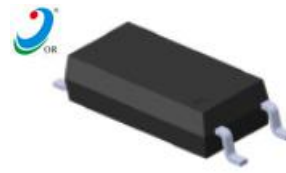




-10

1. Features



Schematic

- Pin Configuration**
 1. Anode
 2. Cathode
 3. Emitter
 4. Collector



2. Description

-10

4-

3.Applications

4. Absolute Maximum Ratings (Ta=25

| Parameter | Symbol | Rated Value | Unit |
|-----------|--------|-------------|------|
| | | 60 | |
| | | 125 | |
| | | 6 | |
| | | 100 | |
| | | 0 | |
| | | 7 | |
| | | 50 | |
| | | 150 | |
| | | 250 | |
| *1 | | 5000 | |
| | | -55 + 110 | |
| | | -55 + 125 | |
| *2 | | 260 | |

*1 1 , . . . 40 60% . . . , 1, 2 , 3, 4 .

* 2 10



5. Electrical Optical Characteristics at Ta=25°C

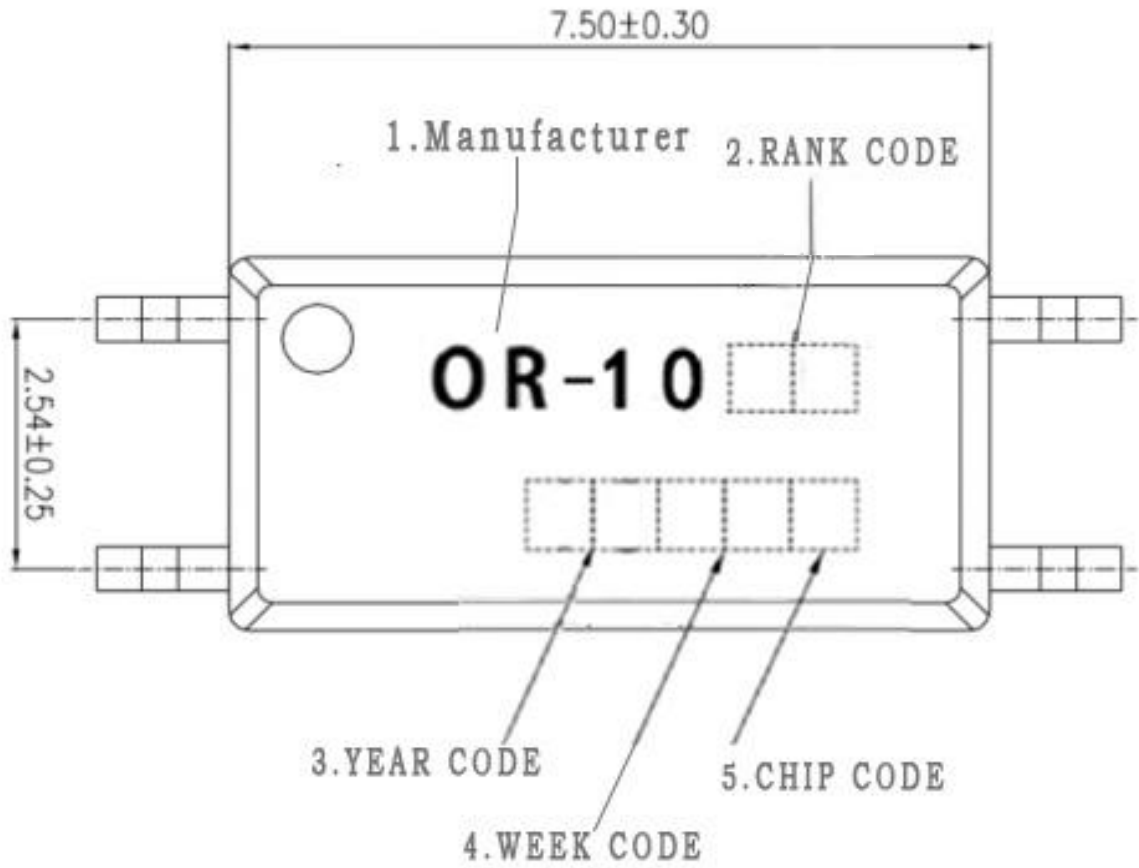
| Parameter | | Symbol | Condition | Min | Typ.* | Max | Unit |
|-----------|--|--------|---------------------|------------------|-------|-----|------|
| | | | 50 | --- | 1.25 | 1.6 | |
| | | | 4 | --- | --- | 10 | |
| | | | 0, 1 | --- | 50 | --- | |
| | | | 20 , 0 | --- | 10 | 100 | |
| | | | 1 0 | 0 | --- | --- | |
| | | | 0.1 0 | 7 | --- | --- | |
| | | | 5 | 50 | --- | 600 | % |
| | | | 5 | 2.5 | --- | 30 | |
| | | () | 10 1 | --- | --- | 0.3 | |
| | | | 500 40 60% . . . | 10 ¹² | --- | --- | |
| | | | 0, 1 | --- | 0.3 | --- | |
| | | | 5 , 2 | --- | 3 | 1 | |
| | | | 100 | --- | 4.7 | 1 | |



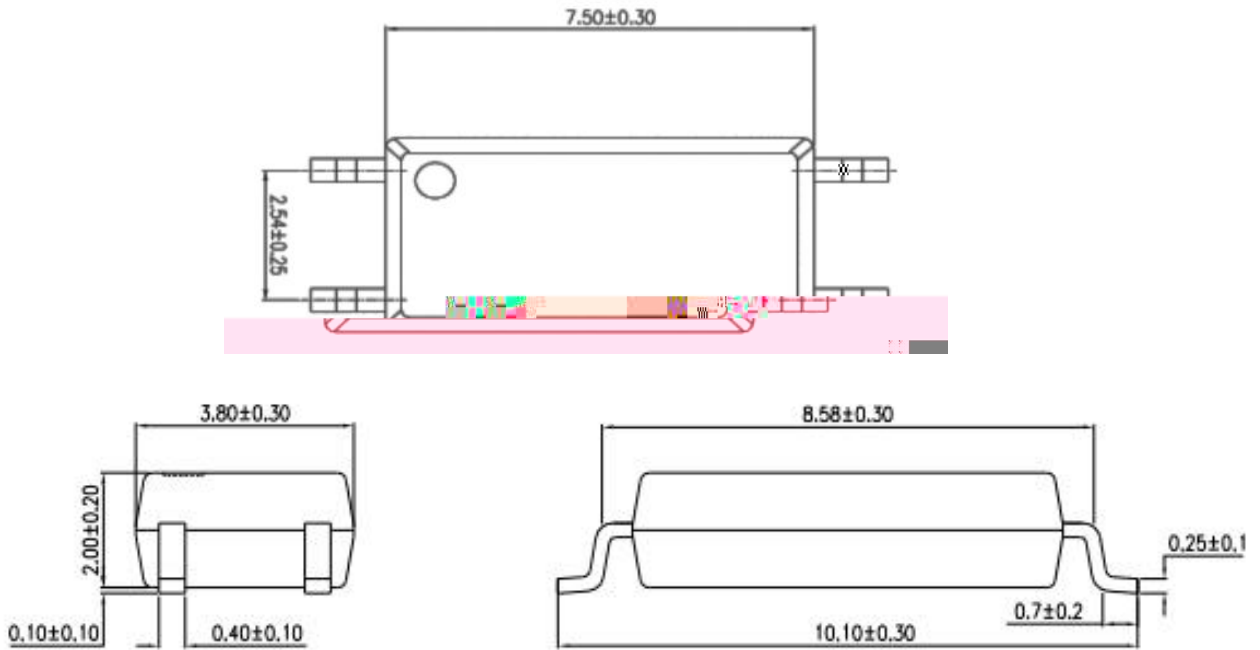
6. Rank Table of Current Transfer Ratio

—

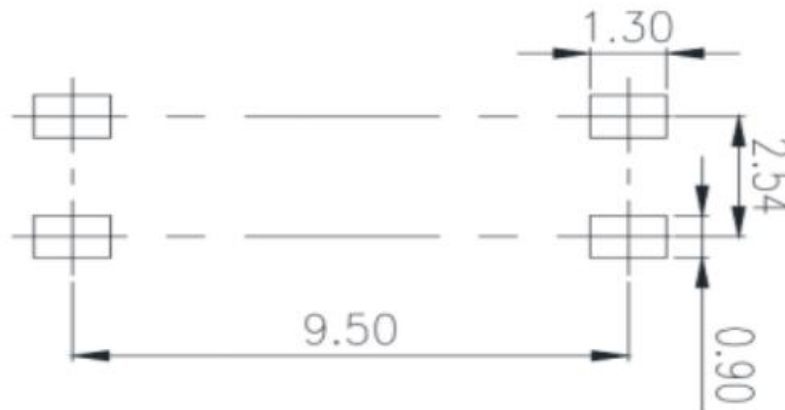
7.Naming Rule



8. Package Dimension

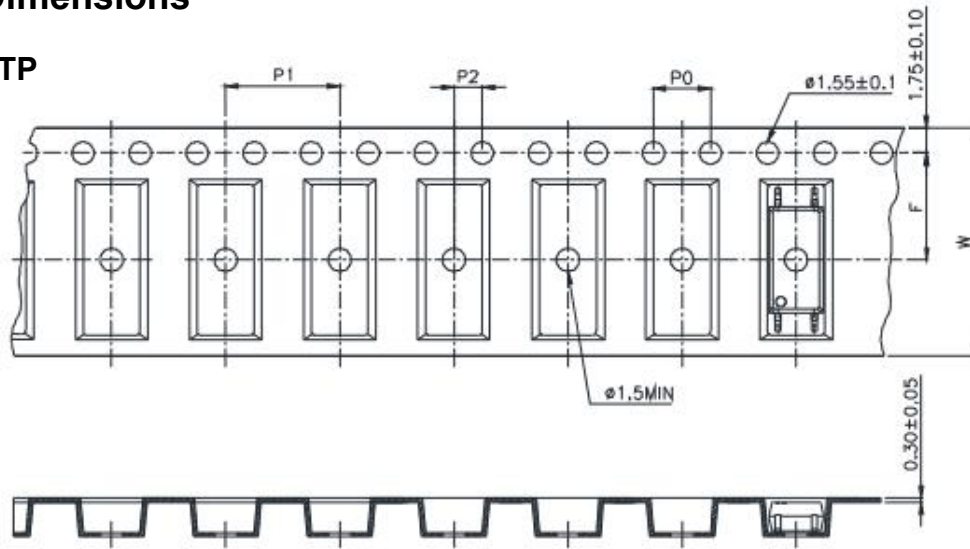


9. RECOMMENDED FOOT PRINT PATTERNS (MOUNT PAD)

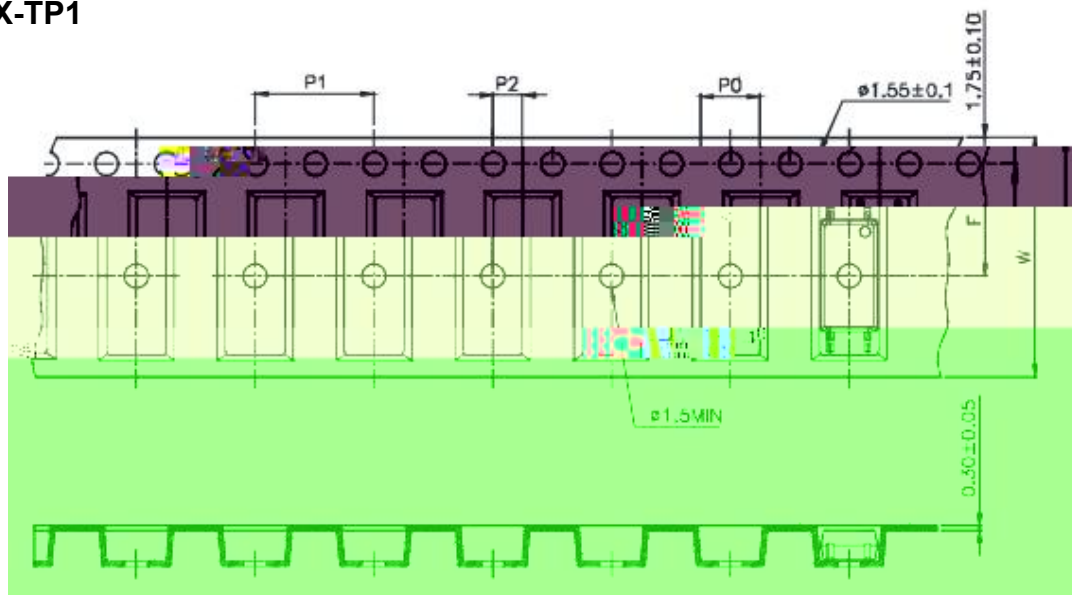


10. Taping Dimensions

(1) OR-10XX-TP



(2) OR-10XX-TP1



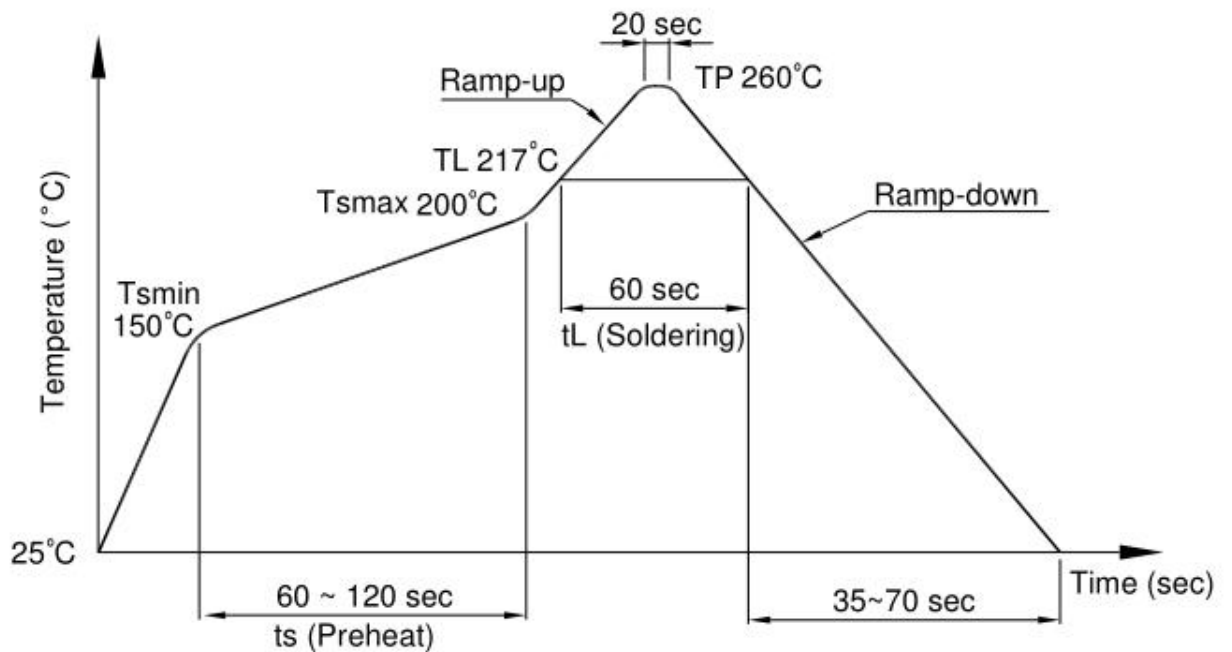
| | | |
|--|--|--|
| | | |
| | | |
| | | |
| | | |
| | | |

| | |
|--|--|
| | |
| | |

11. Temperature Profile Of Soldering

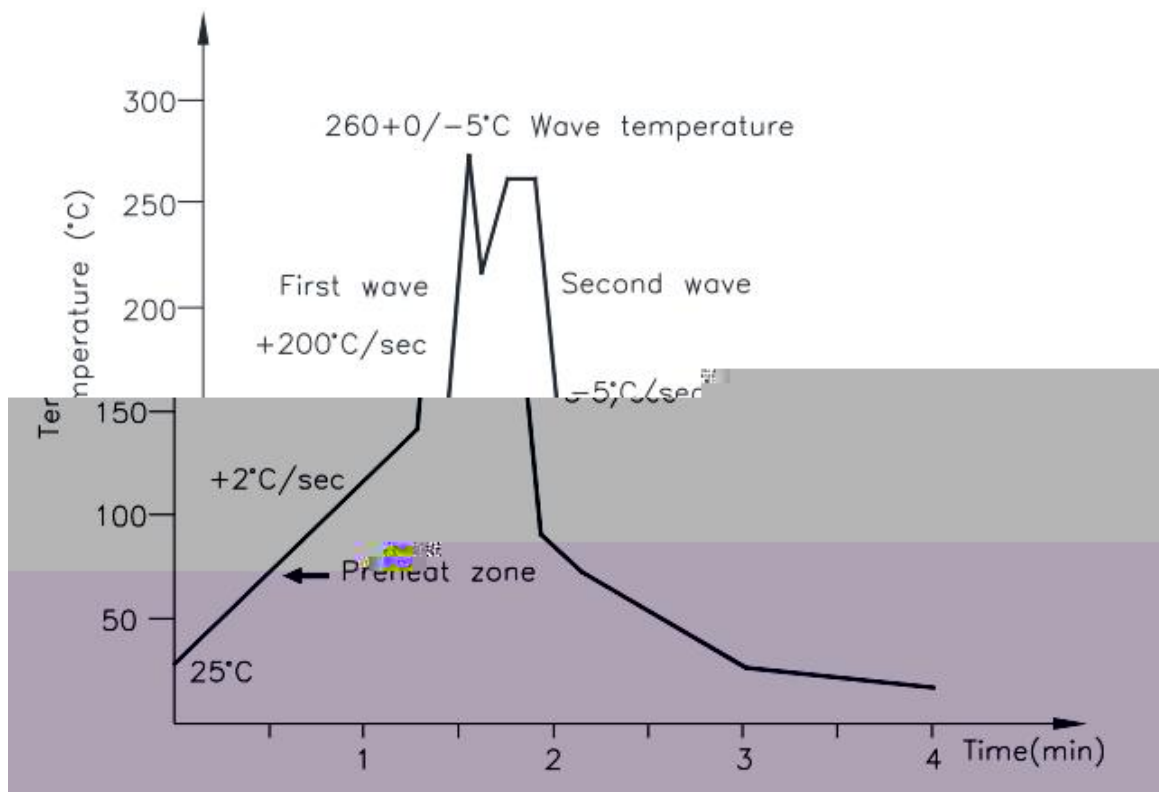
(1).IR Reflow soldering (JEDEC-STD-020C compliant)

| | |
|--|--|
| | |
| | |
| | |
| | |
| | |
| | |



(2).Wave soldering (JEDEC22A111 compliant)

| | |
|--|--|
| | |
| | |



(3).Hand soldering by soldering iron

| | |
|--|--|
| | |
|--|--|

12.Characteristics Curves

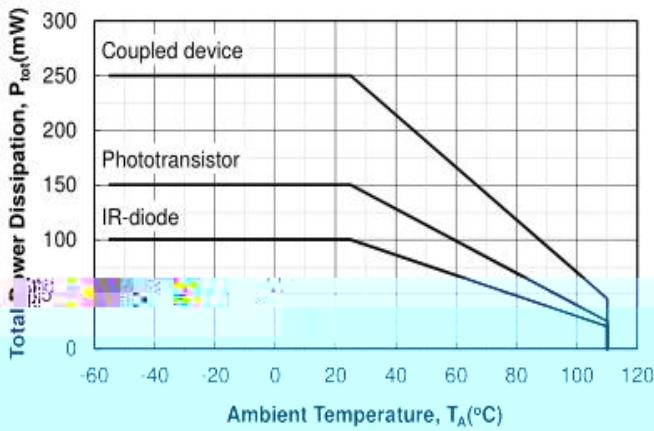


Figure 1. P_{tot} vs. T_A

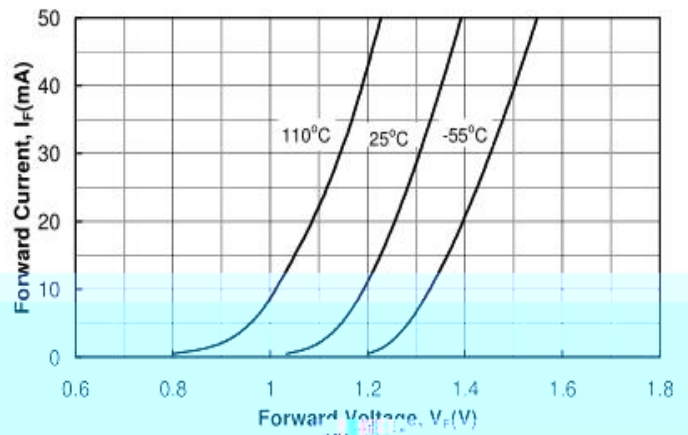


Figure 4. I_F vs. V_F

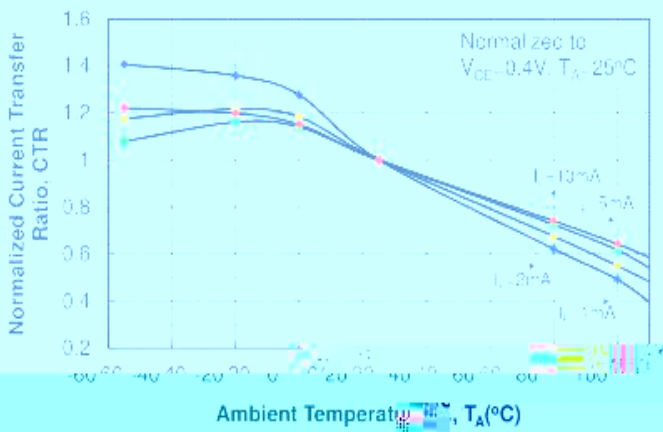


Figure 2. Saturated Normalized CTR vs. T_A

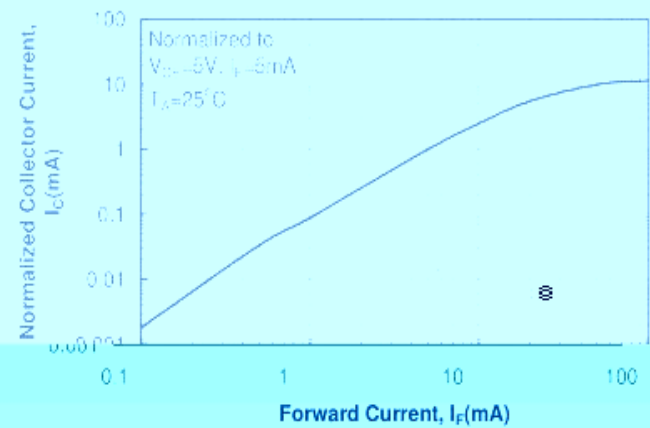


Figure 5. Normalized I_C vs. I_F

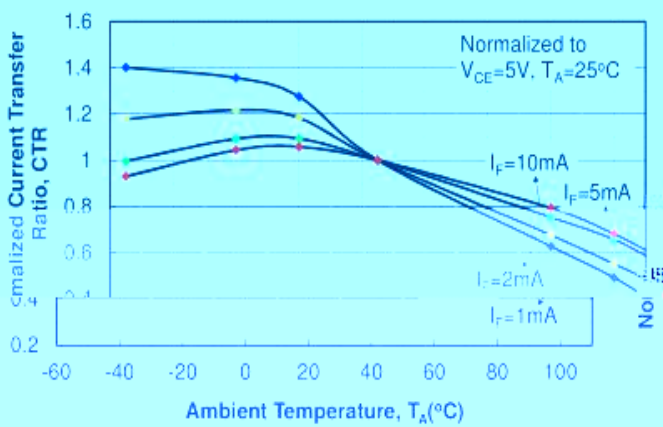


Figure 3. Non-saturated Normalized CTR vs. T_A

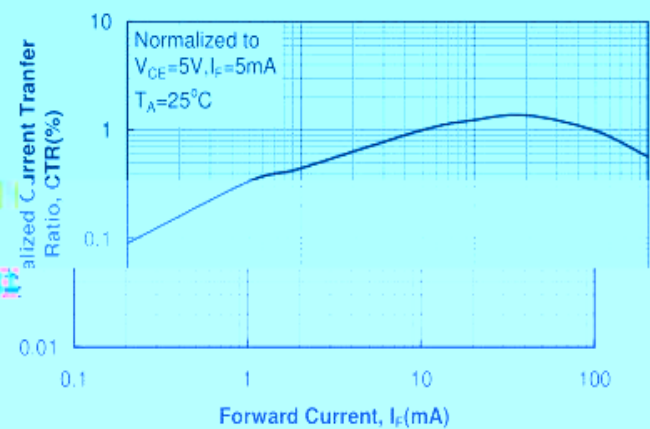


Figure 6. Normalized CTR vs. I_F

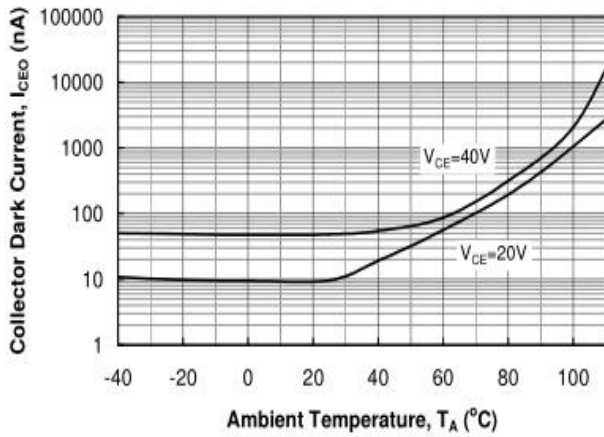


Figure 7. I_{CEO} vs. T_A

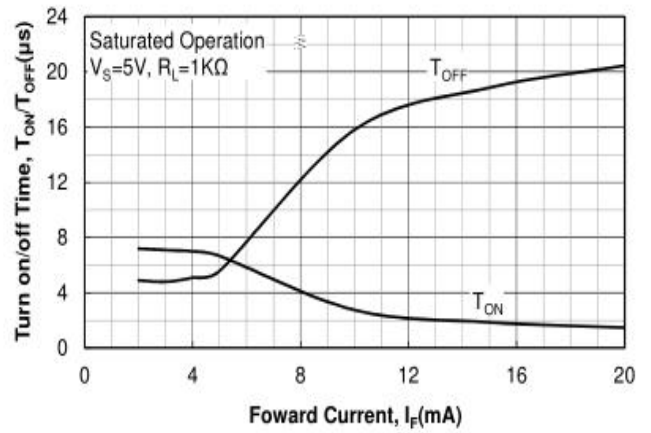


Figure 10. T_{ON} / T_{OFF} vs. I_F

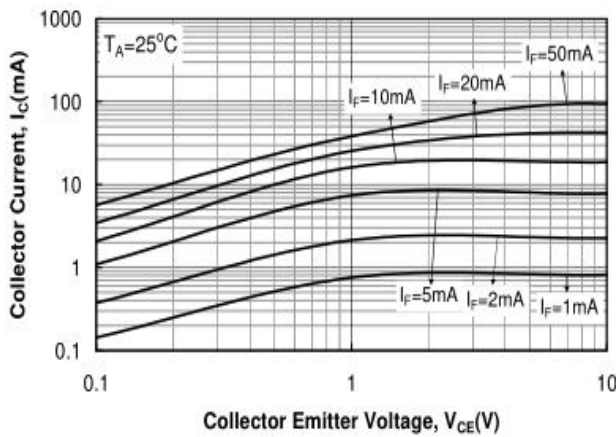


Figure 8. I_C vs. V_{CE}

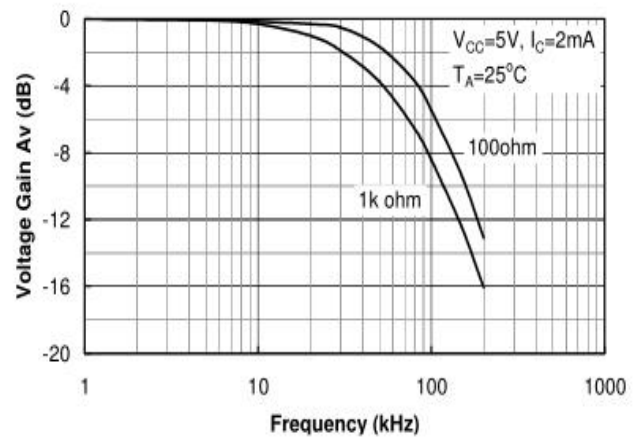


Figure 11. Frequency Response

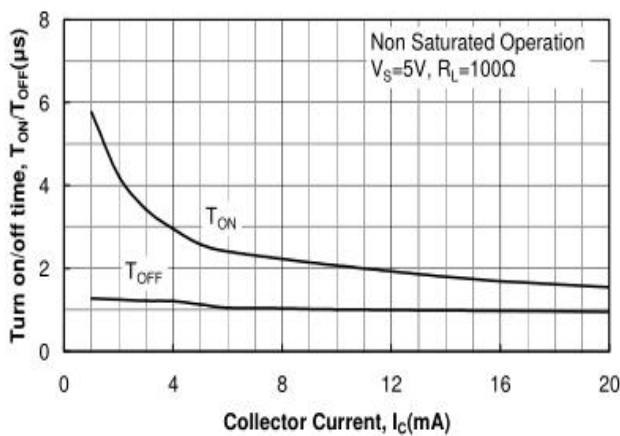


Figure 9. T_{ON} / T_{OFF} vs. I_C



► **Notes:**