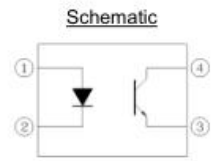
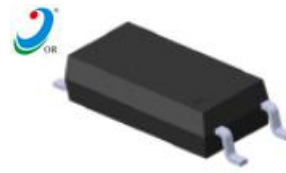


₹10

A B A3 F
: _____

1. Features

- (1) C
 (C : 50 600% IF = 5 A, CE = 5)
 (C : 63 320% IF = 10 A, CE = 5)
- (2) H - (= 5,000)
- (3) H - (CE = 70)
- (4) -55 110
- (5) C > 8
- (6) E
- (7) L - : 2.3 : -10



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

2. Description



4-

3.Applications

- (1)
- (2)
- (3)
- (4) H
- (5)

4. Absolute Maximum Ratings (Ta=25)

		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

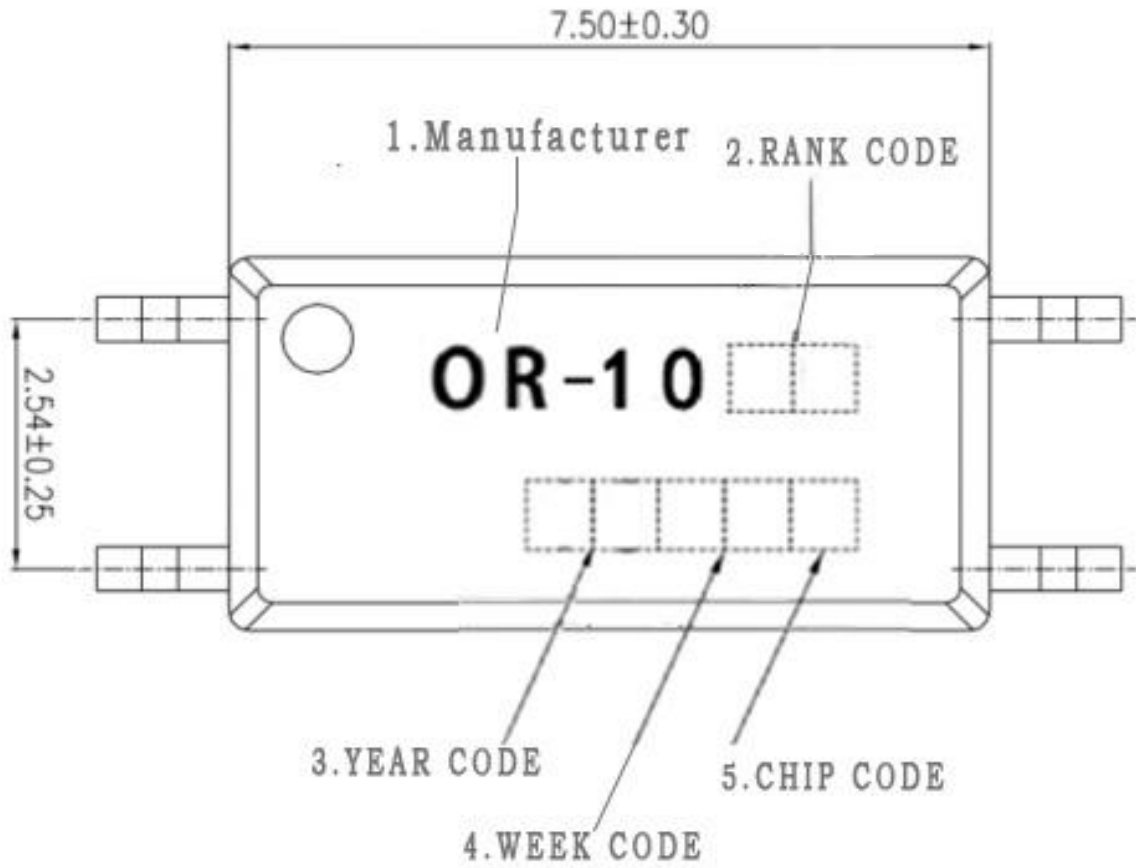
	F C		50	---	1.25	1.6	
			4	---	---	10	
	C		0, 1	---	50	---	
	C C		20 , 0	---	10	100	
	C E		1 0	0	---	---	
	E C		0.1 0	7	---	---	
	*1 C		5	50	---	600	%
	C C		5	2.5	---	30	
	C E	()	10 1	---	---	0.3	
	I I		500 40 60% . . .	10 ¹²	---	---	
	F C		0, 1	---	0.3	---	
			5 , 2	---	3	1	
	D		100	---	4.7	1	





*1 C C = I_C / I_F 100%, C : 3%.

6. Rank Table of Current Transfer Ratio

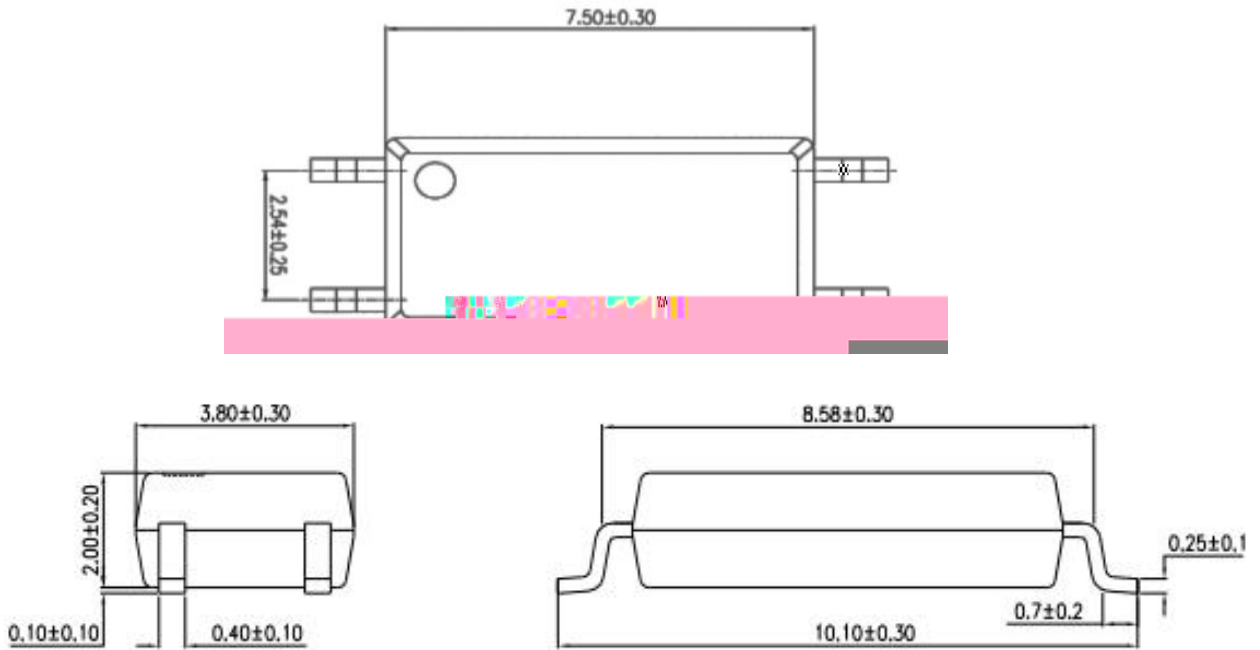
C			C
-1000	50	600	
-1001	100	160	
-1004	100	200	
-1005	50	150	
-1006	100	300	
-1007	80	160	% IF=5 A, CE=5 , =25 ↓
-1008	130	260	
-1009	200	400	
-1010	150	300 □	
-1019	<u>250</u>	500	
-1020	300	400	
-1002	22		

7.Naming Rule

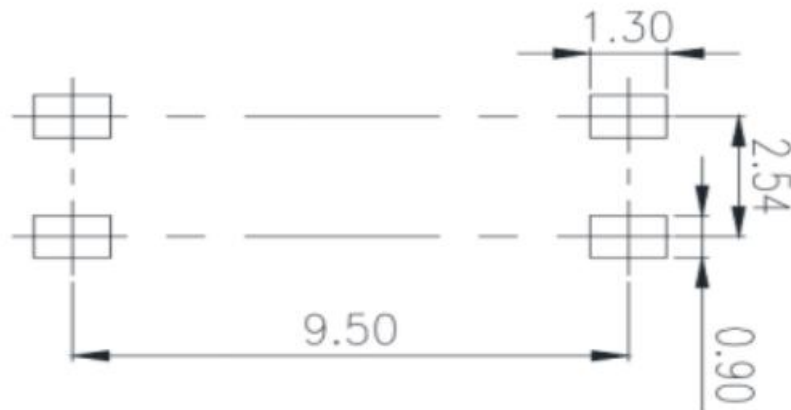


- (1) L . C . , L .
- (2)  C .
- (3)  .
- (4)  .
- (5)  C C
- (6) -10 D
- (7) :

8. Package Dimension

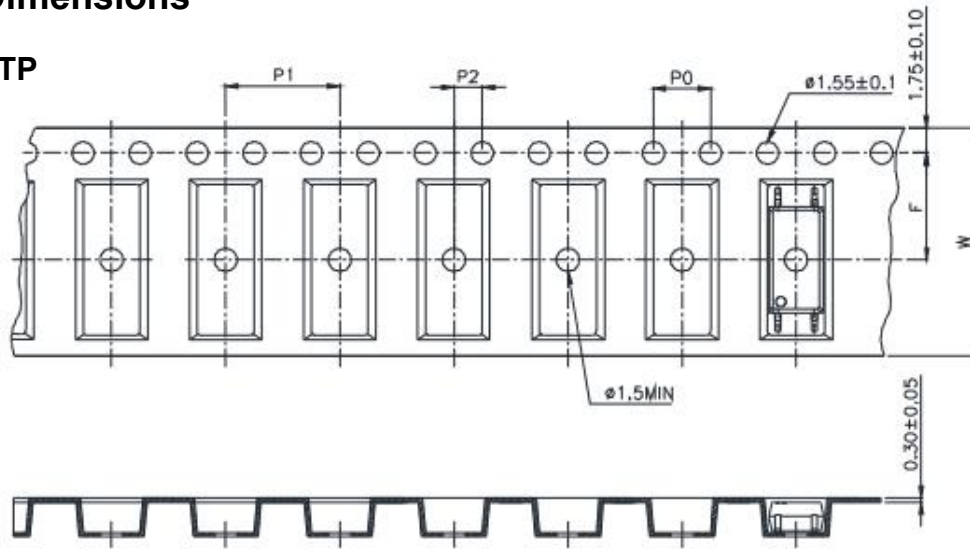


9. RECOMMENDED FOOT PRINT PATTERNS (MOUNT PAD)

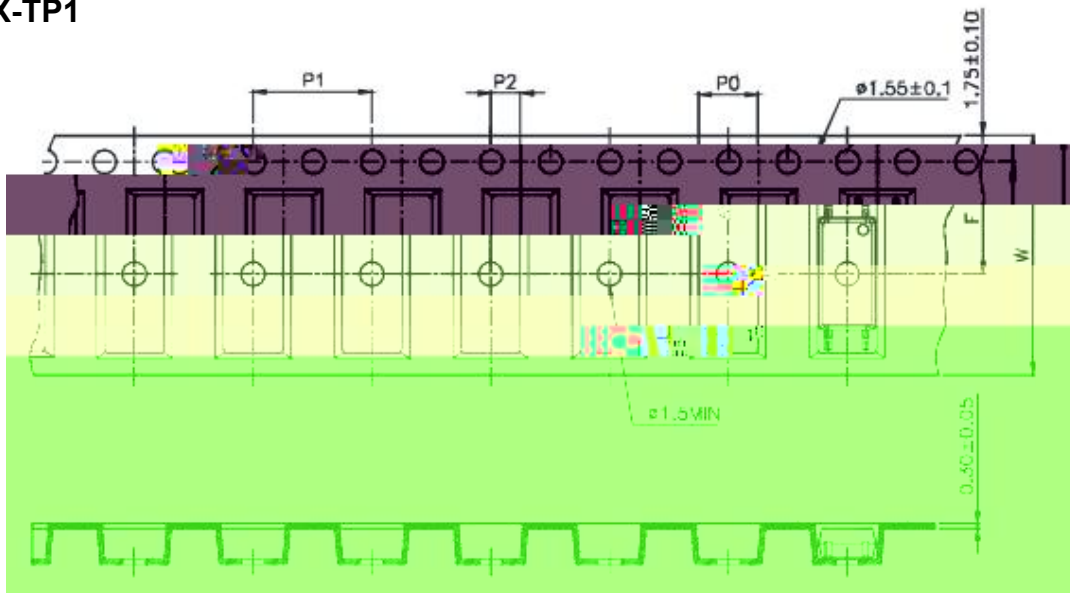


10. Taping Dimensions

(1) OR-10XX-TP



(2) OR-10XX-TP1



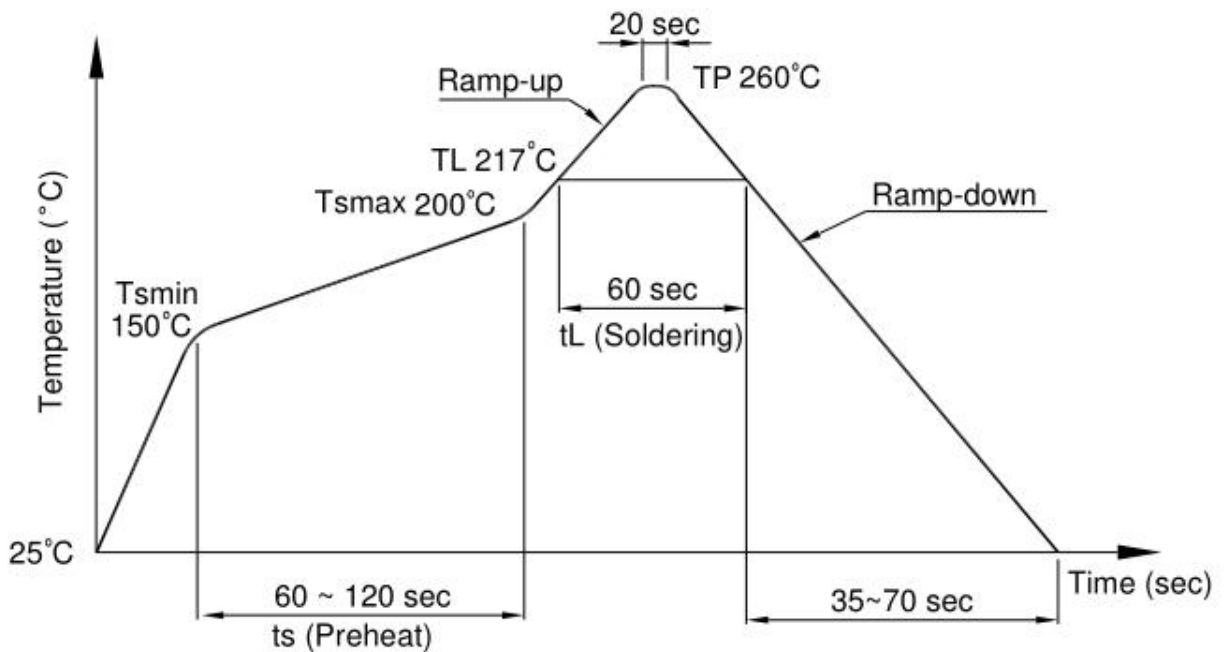
D		D ()
		16 0.3 (0.63)
	0	4 0.3 (0.15)
D	F	7.5 0.1 (0.295)
	2	2 0.1 (0.079)
D	1	8 0.1 (0.315)

	-10 (/ 1)
()	3000

11. Temperature Profile Of Soldering

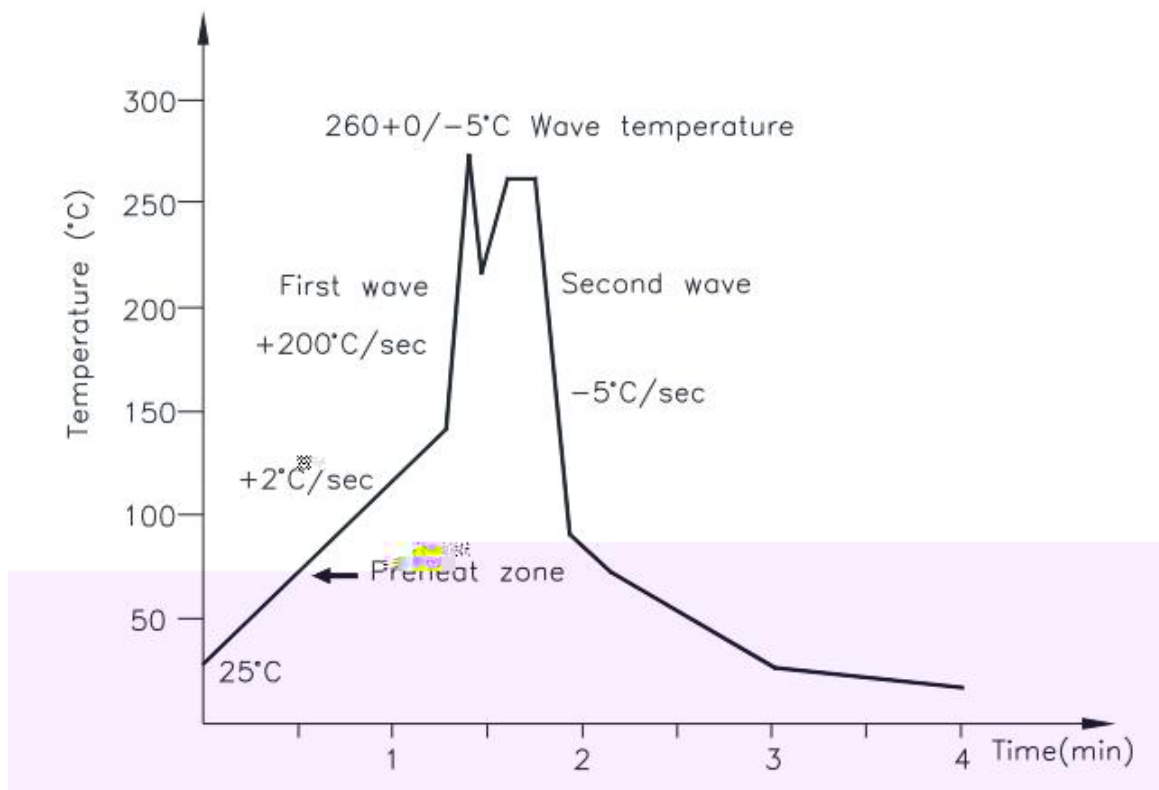
(1).IR Reflow soldering (JEDEC-STD-020C compliant)

	C
- ()	150 C
- ()	200 C
- () ()	90 30
- (L)	217 C
- (L)	60
()	260 C
-	3 C /
-	3 6 C /



(2).Wave soldering (JEDEC22A111 compliant)

	260+0/-5 C
	10
	25 140 C
	30 80



(3).Hand soldering by soldering iron

A

	380+0/-5 C
	3

12.Characteristics Curves

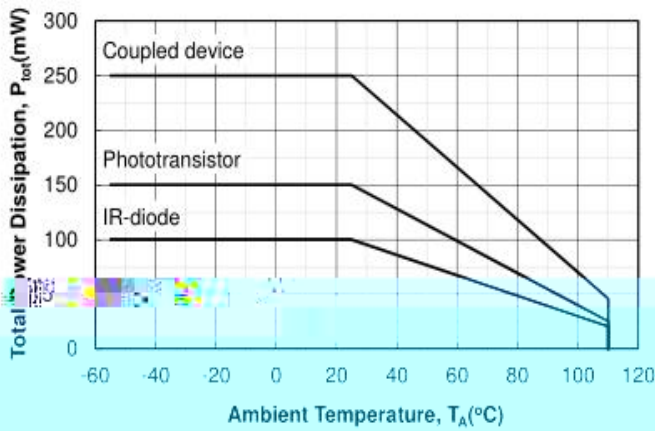


Figure 1. P_{tot} vs. T_A

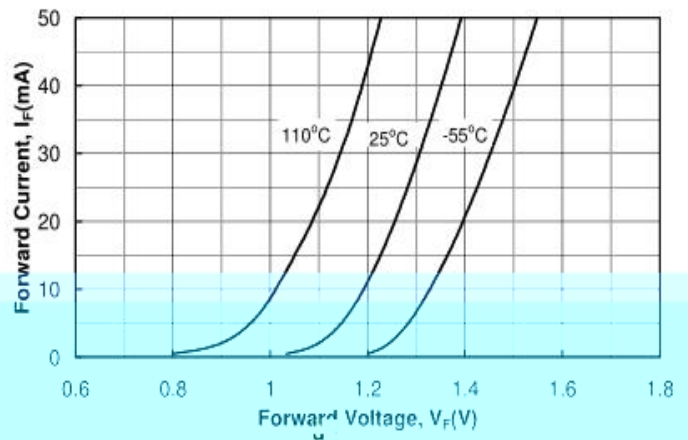


Figure 4. I_F vs. V_F

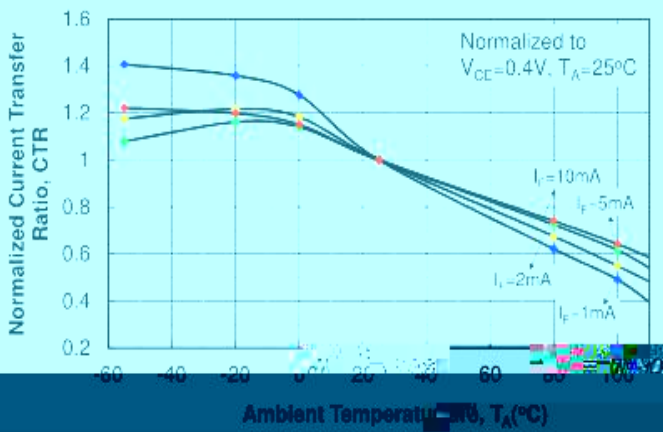


Figure 2. Saturated Normalized CTR vs. T_A

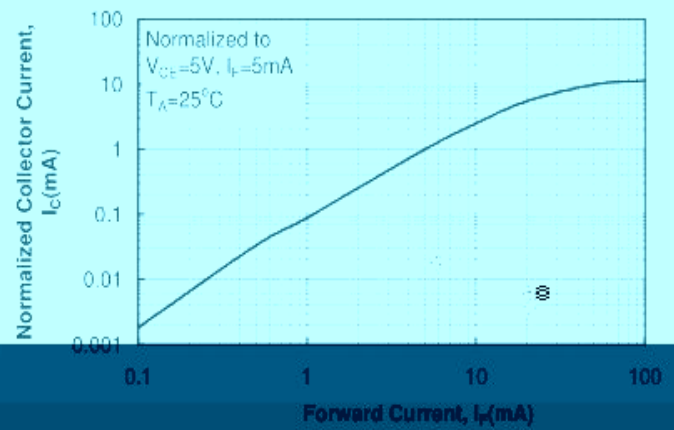


Figure 5. Normalized I_C vs. I_F

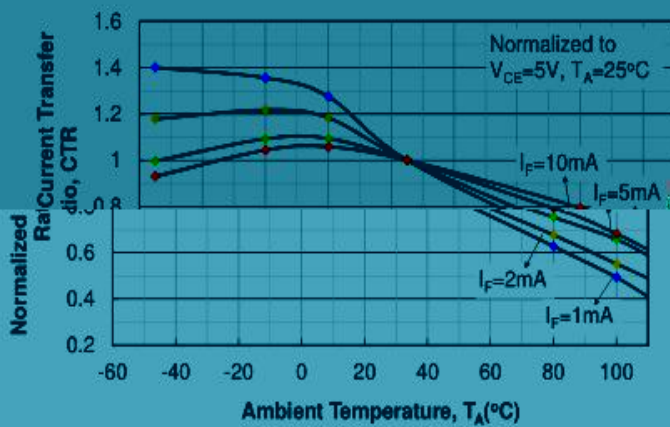


Figure 3. Non-saturated Normalized CTR vs. T_A

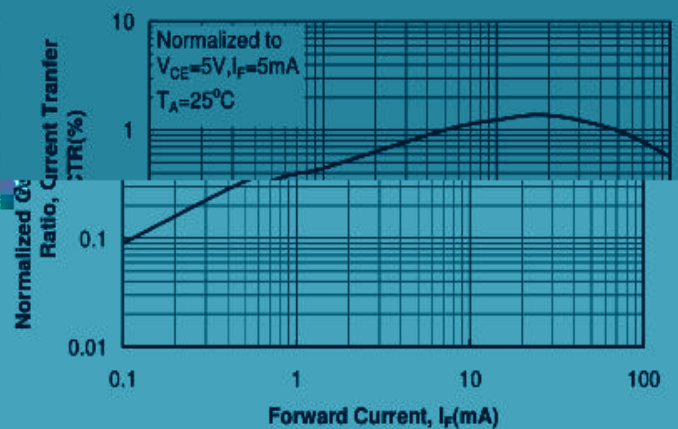


Figure 6. Normalized CTR vs. I_F

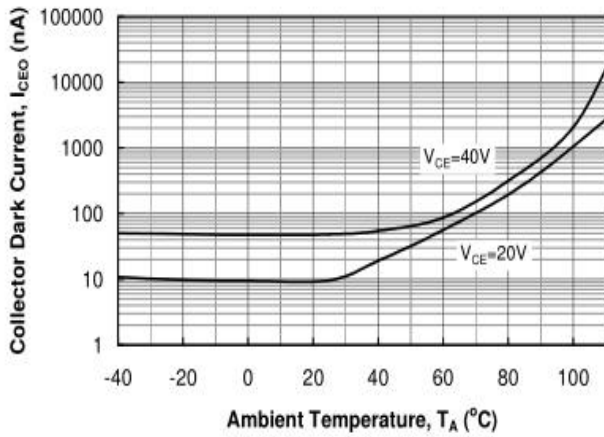


Figure 7. I_{CEO} vs. T_A

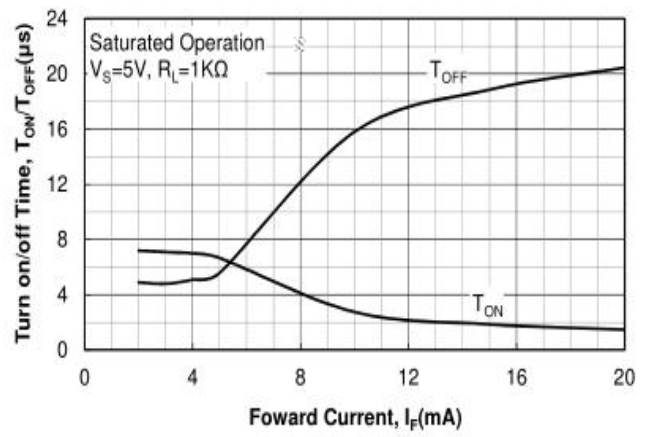


Figure 10. T_{ON} / T_{OFF} vs. I_F

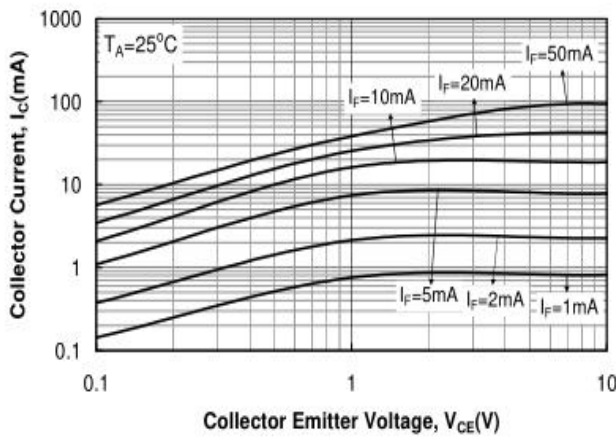


Figure 8. I_C vs. V_{CE}

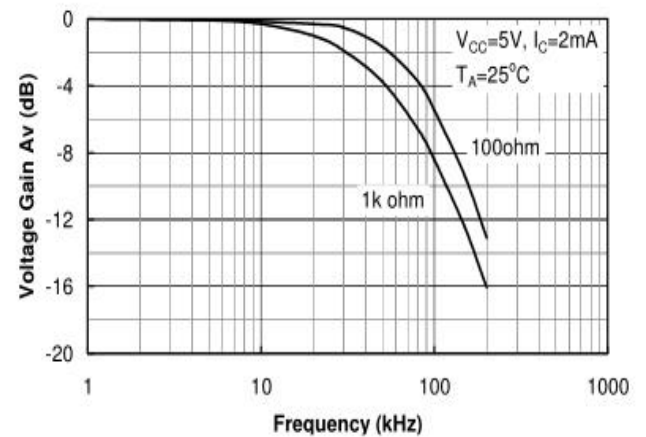


Figure 11. Frequency Response

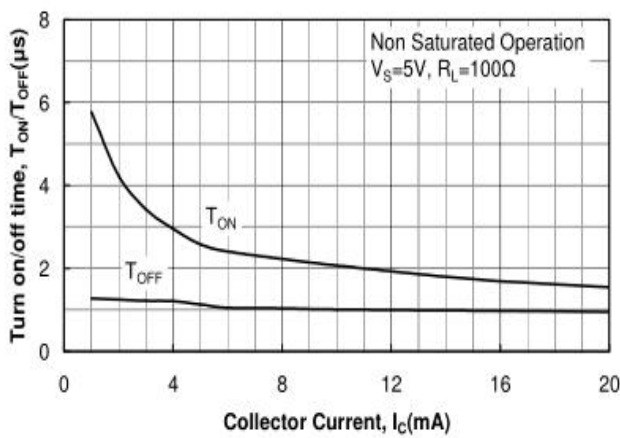


Figure 9. T_{ON} / T_{OFF} vs. I_C

► Notes:

IE

IE

IE