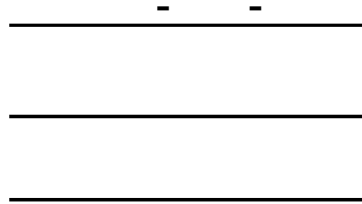




# ORIENT

## Photo coupler

### Product Data Sheet



#### 一级代理商：

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[www.frxelec.com](http://www.frxelec.com)



### 1. Features

· ( ) . % , ,

· - ( ) . ( , )

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### 2. Instructions

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### 3. Application Range

( ).

( ).

( ). ,

### 4. Max Absolute rated Value (Normal Temperature=25 )

	( )		
*			
		- +	
		- +	
*			

\* . , . . %

(1)

(2)

(3)

\* .



5. Opto-electronic Characteristics(Normal Temperature=25 )

Parameter	Symbol	Min	Typ.*	Max	Unit	Condition
Input		---	.	.		
		---		---		,
		---	---			,
Output						

## 6. Rank table of current transfer ratio CTR

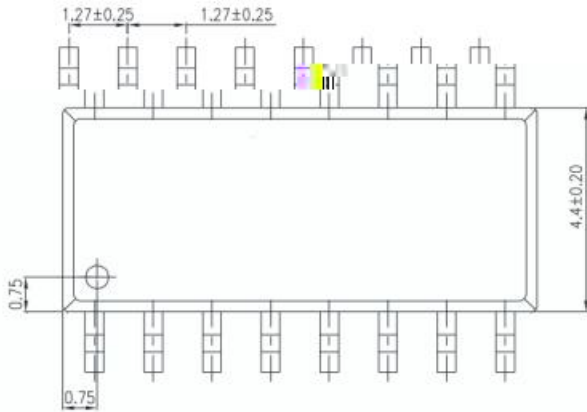
Current Conversion ratio =  $I_C / I_F \times 100\%$

## 7. Other Information

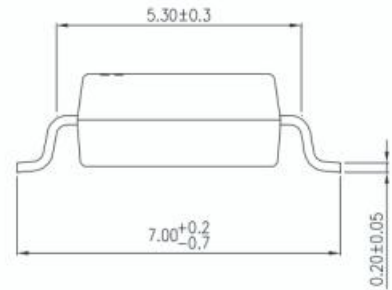
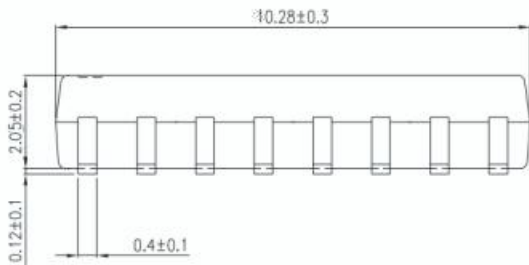
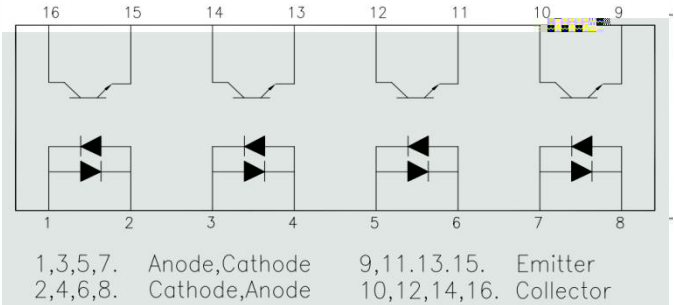
OR-3



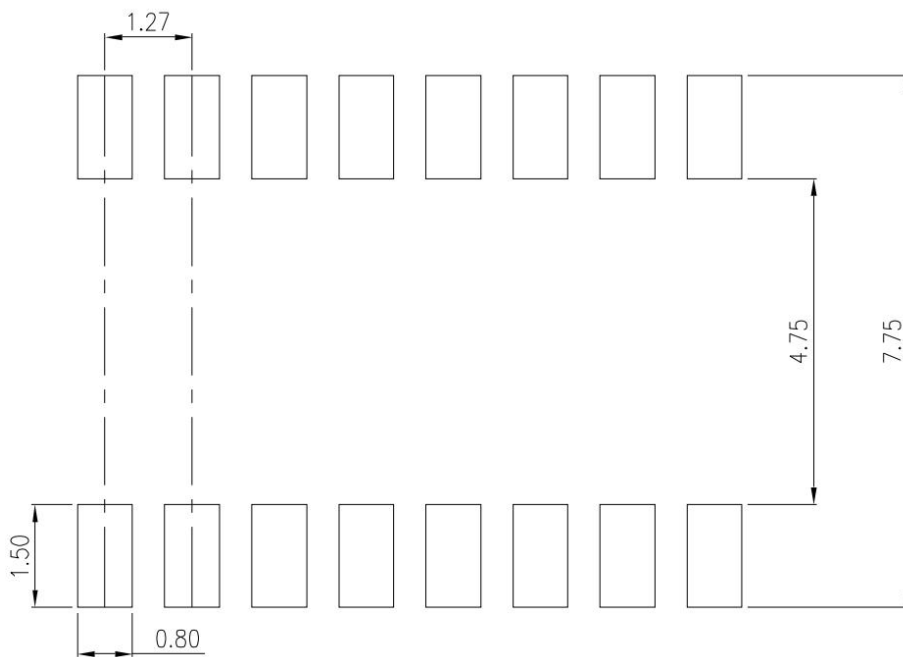
### 9. Outer Dimension



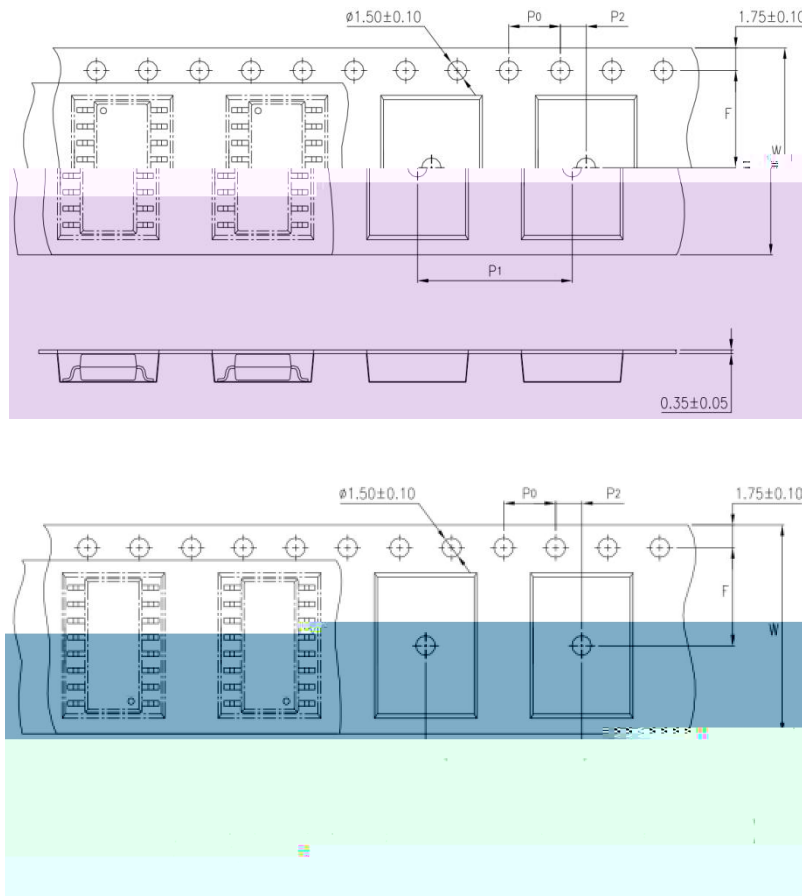
PIN NO. AND INTERNAL CONNECTION DIAGRAM



### 10. Recommended Foot Print Patterns (Mount Pad) (Unit:mm)



## 11. Taping Dimensions



type	Symbol	Dimensions: mm (in.)
bandwidth h	W	16±0.3 (0.47)
pitch	P0	4±0.1 (0.15)
pitch	F	7.5±0.1 (0.217)
	P2	2±0.1 (0.079)
interval	P1	12±0.1 (0.315)

Encapsulation type	TA1/TA
Quantity (pieces)	2000

## 12. Package Dimension

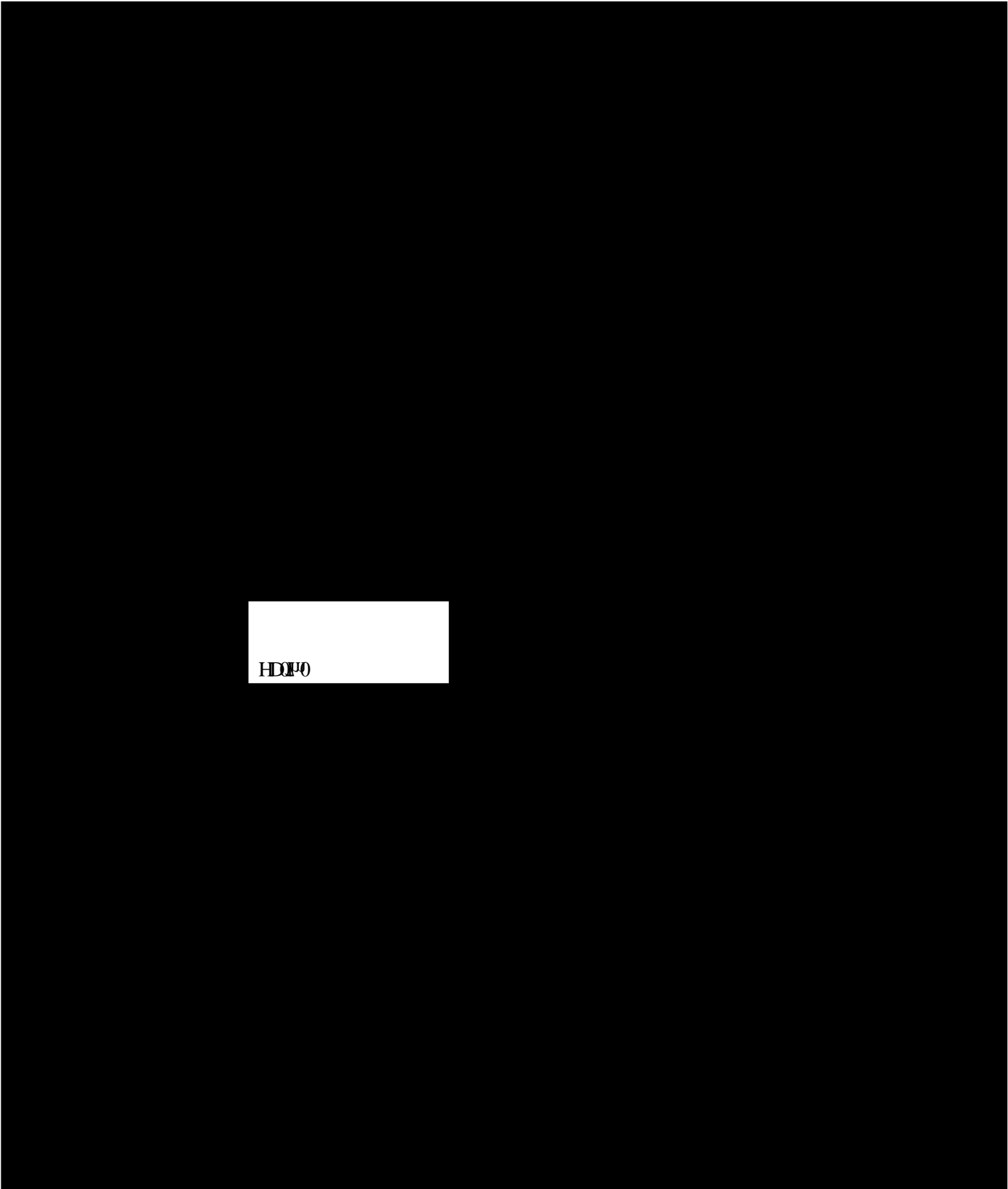
Packing Information	
Packing type	Reel type
Tape Width	16mm
Qty per Reel	2000
Small box (inner) Dimension	1510*1510*1000



1. MTL NO:Contents with "Order Information" in the specification.
2. LOT NO:The production cycle of the product.
3. BATCH:The CTR RANK of the product.
4. Quantity:Product packaging quantity.
5. Product Data: The data when product be made.



### 13. Reliability Test

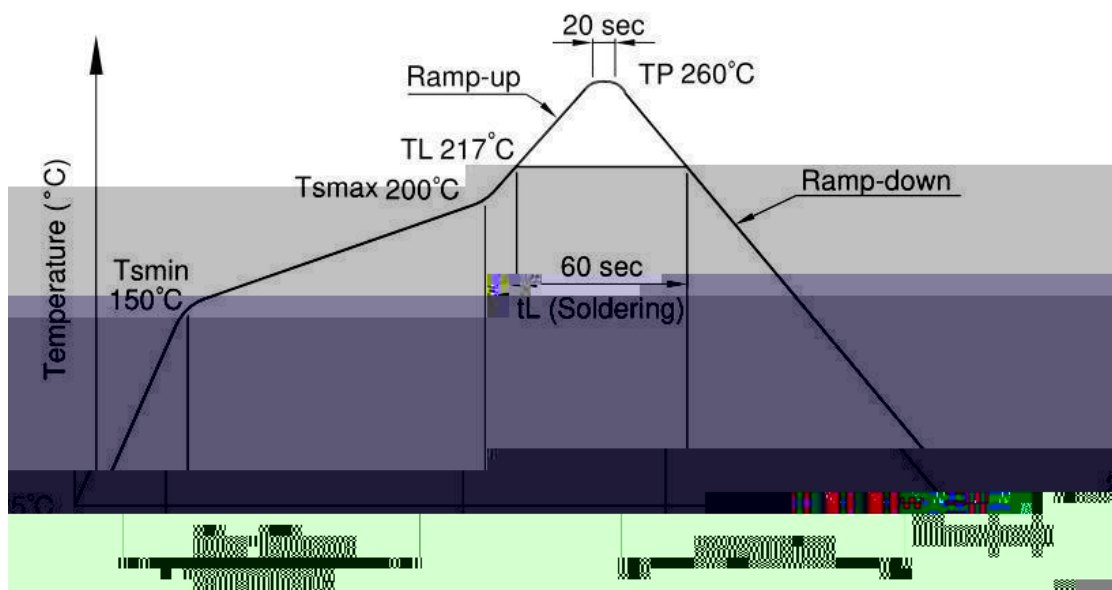


HQHQ

### 14. Temperature Profile Of Soldering

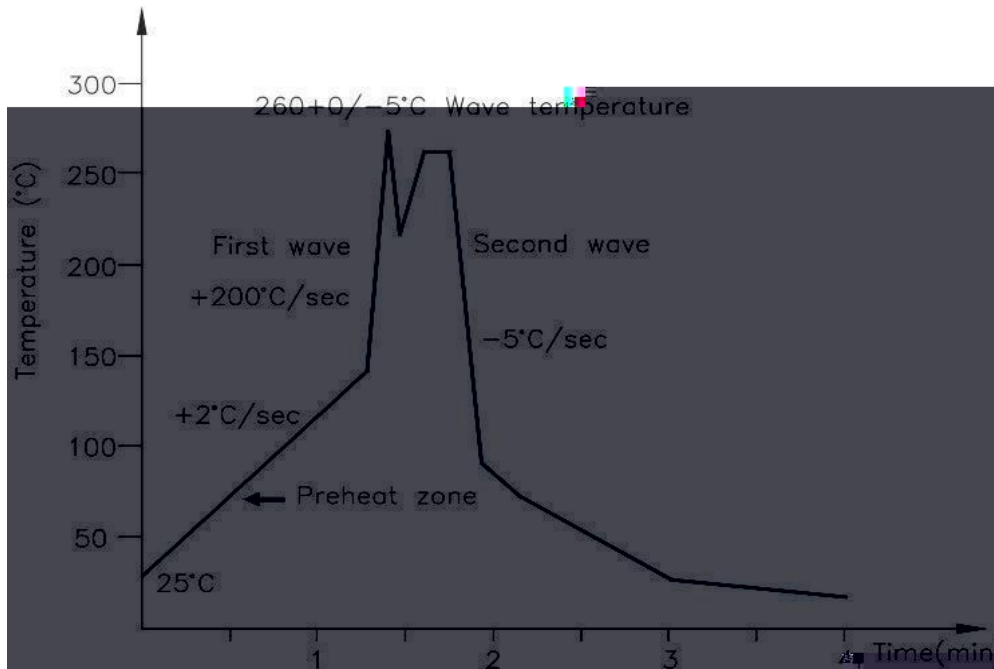
#### 1 IR Reflow soldering (JEDEC-STD-020C compliant)

Profile item	Conditions
- ( )	
- ( )	
- ( ) ( )	
- ( )	
- ( )	
-	
-	
-	
-	
-	



**2 Wave soldering (JEDEC22A111 compliant)**

	+   -



**3 Hand soldering by soldering iron**

Temperature	380+0/-5°C
Time	3 sec max

### 15. Characteristics Curve

Figure 1. Collector Power Dissipation vs. Ambient Temperature

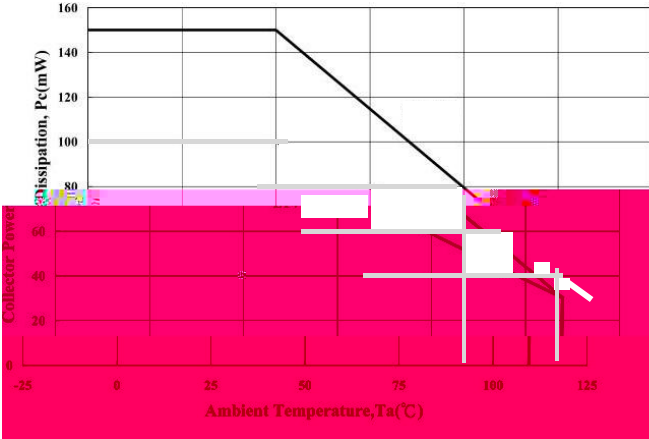


Figure 2. Forward Current vs. Ambient Temperature

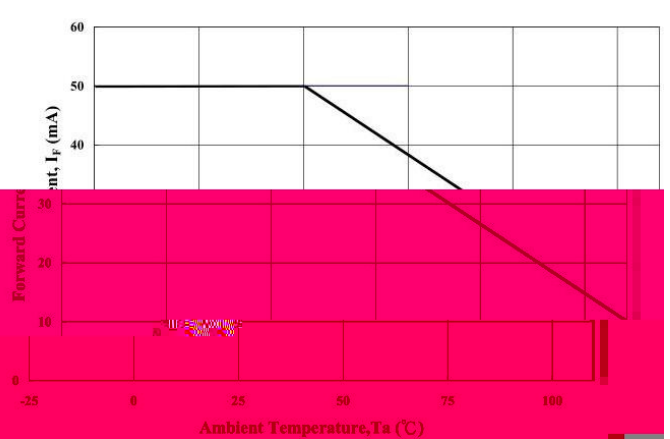


Figure 3. Forward Current vs. Forward Voltage

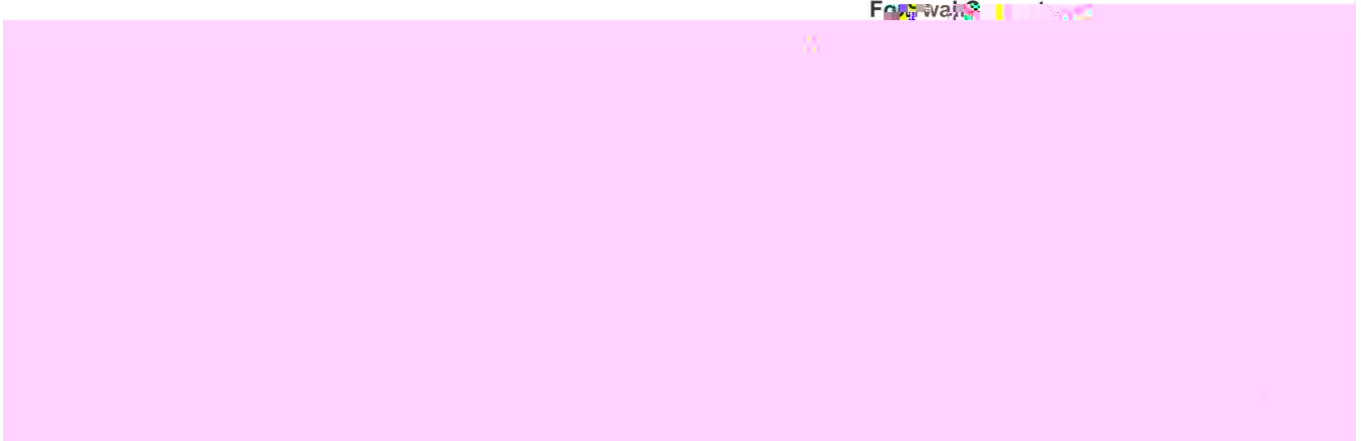


Figure 4. Forward Voltage Temperature Coefficient vs.



Figure 5. Pulse Forward Current vs. Duty Cycle Ratio

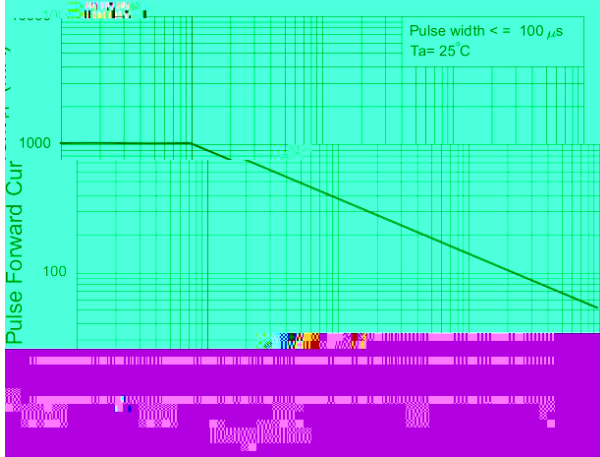


Figure 6. Pulse Forward Current vs. Pulse Forward

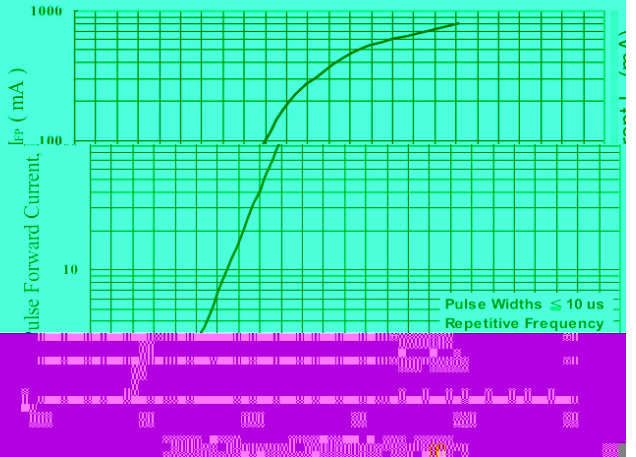


Figure 7. Collector-Emitter Saturation Voltage vs. Forward

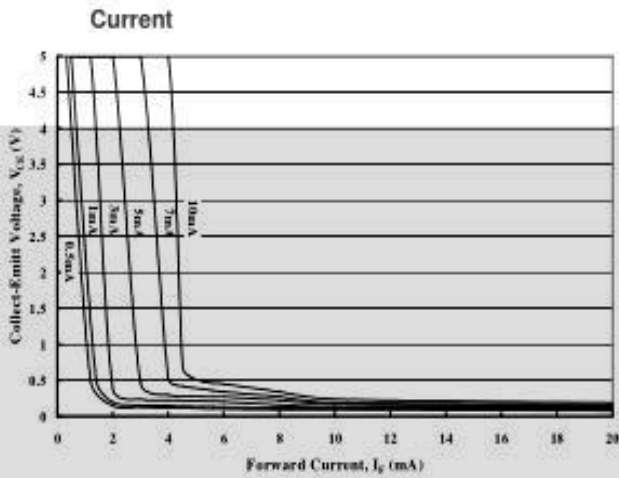


Figure 8. Collector Current vs. Collector-Emitter

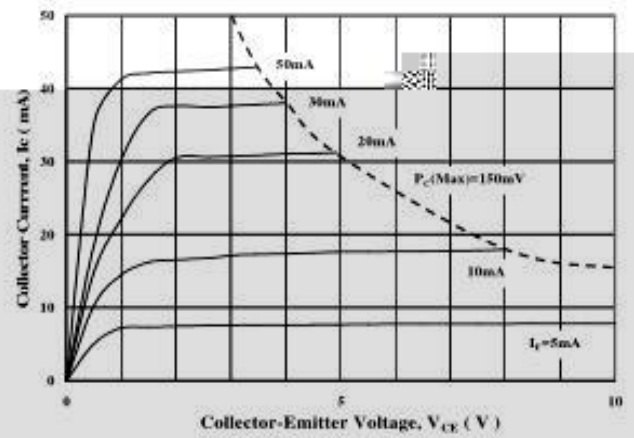


Figure 9. Collector Current vs. Small Collector-Emitter

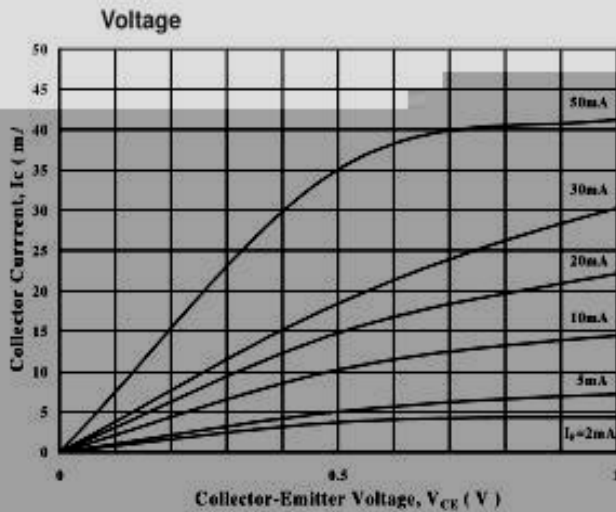


Figure 10. Normalized CTR vs. Forward Current

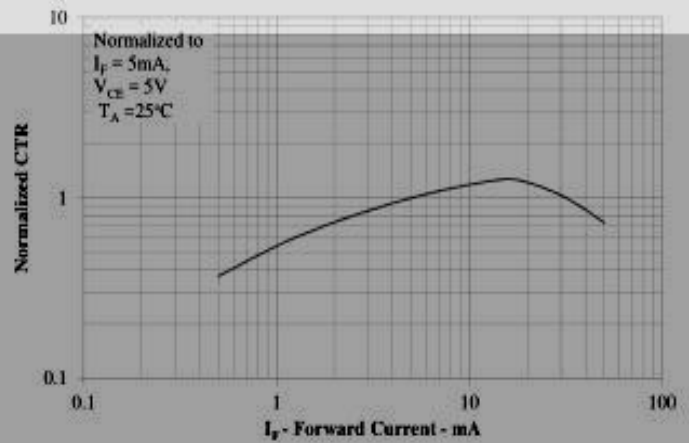


Figure 11. Collector Dark Current vs. Ambient Temperature

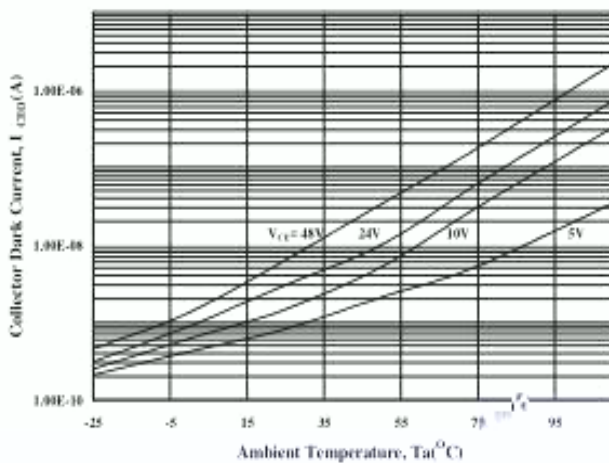


Figure 12. Current Transfer Ratio vs. Forward

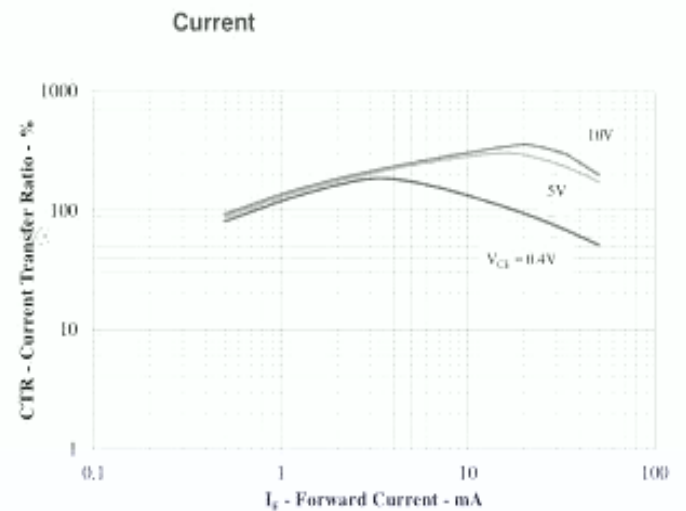


Figure 13. Normalized CTR vs.  $f_c$

