Kingbright

PHOTOINTERRUPTER

Part Number: KTIR0221DS

Package Dimensions

Features

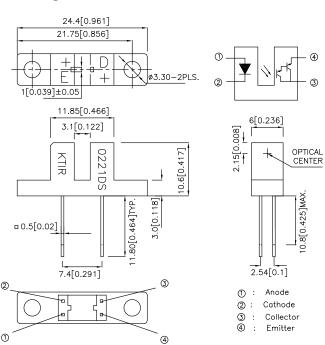
- •High sensing accuracy
- •High current transfer ratio
- •Both-sides mounting type
- •RoHS compliant.

Applications

VCRs

printers, facsimiles, etc

• OA equipment, such as floppy disk drives,



Notes:

1. All dimensions are in millimeters (inches).

2. Tolerance is $\pm 0.25(0.01")$ unless otherwise noted.

- 3. Lead spacing is measured where the leads emerge from the package.
- 4. Specifications are subject to change without notice.

Absolute Maximum Ratings (TA=25°C)

	Parameter	Symbol	Rating	Unit
Input	Forward current	lf	50	mA
	Reverse voltage	VR	6	V
	Power dissipation	Pd	75	mW
	Peak Forward Current (Pulse Width≤100µS,Duty Ratio=1%)	IFP	1	A
Output	Collector-emitter voltage	VCEO	35	V
	Emitter-collector voltage	Veco	6	V
	Collector current	Ic	40	mA
	Collector power dissipation	Pc	75	mW
Operating terr	rating temperature Topr -25~-		-25~+85	°C
Storage temp	erature	Tstg -40~+100 °		°C
Soldering tem	perature (1/16 inch from body for 5 seconds)	Tsol	260	°C



SPEC NO: DSAB4763 APPROVED: WYNEC DATE: SEP/04/2009 DRAWN: S.P.Chen PAGE: 1 OF 3 ERP:1105000010

Kingbright

Electro-optical Characteristics(Ta=25°C)

		-						
Parameter		Symbol	Conditions	Min.	Тур.	Max.	Unit	
Input	Forward voltage		VF	IF=20mA	-	1.2	1.5	V
	Peak forward voltage		Vfm	Іғм=0.5А	_	2	4	V
	Reverse current		lr	Vr=5V	-	_	10	μA
Output	Collector dark current		ICEO	VCE =10V,IF=0mA	-	_	10 ⁻⁶	А
Transfer Charac- teristics	Current transfer ratio		CTR	VCE=2V,IF=1mA	_	600	-	%
	Collector-emitter saturation voltage		VCE(SAT)	IF=2mA,Ic=1mA	-	-	1.0	V
	Response time	Rise time	tr	Vce=2V,Ic=10mA RL=100Ω	-	90	400	μSec
		Fall time	tf		-	80	300	μSec

Fig.1 Forward Current vs. Forward Voltage

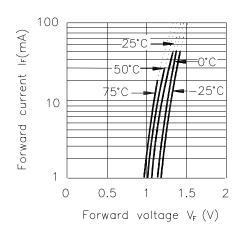


Fig.3 Collector Current vs. Collector-emitter Voltage

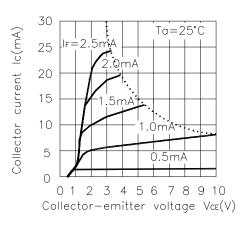
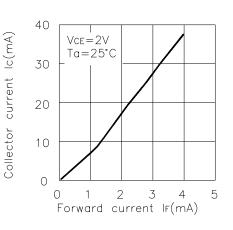
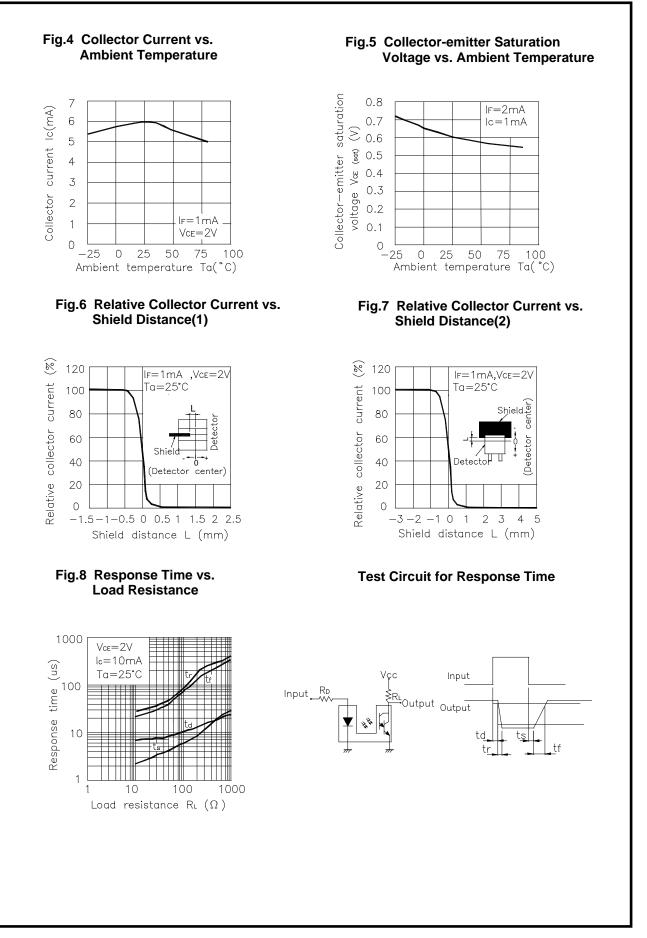


Fig.2 Collector Current vs. Forward Current



PAGE: 2 OF 3 ERP:1105000010

Kingbright



DATE: SEP/04/2009 DRAWN: S.P.Chen PAGE: 3 OF 3 ERP:1105000010

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for Optical Switches, Transmissive, Phototransistor Output category:

Click to view products by Kingbright manufacturer:

Other Similar products are found below :

LTH-301-23 LTH-306-02 LTH-306-64 E3C-X2C E3S-LS20B4S1 E3SX2CE4 EESPW301 EE-SX872R EE-SX952-R 3M RPI-0125B RPI-2501 RPI-576A KRA021 LTH-306-04M HOA0865-100 HOA1961-055 RPI-124 E3F-3C4 EE-SPX305-W2A 2M EE-SX953-W 3M EE-SX972P-C1 LTH-306-01 EE-SX670B EE-SX771R 5M RPI-574 ZGY1602(ITR) EESX677C1JR01M EESX971PC1 HOA1883-501 EE-SX970P-C1 EE-SX976-C1 RPI-125 RPI-243 EE-SX1061 EE-SX675P-WR 1M EE-SX971-C1 OPB853A3 GP1S396HCP0F EE-SX1128 OPB857Z EE-SV3-B EE-SJ3-D RPI-0226 ITR8307 EE-SX671P-WR 1M EE-SX675P EE-SX951P-W 1M EE-SX672R EE-SX954P-W 1M EE-SX952-R 1M