OPTIC REMOTE CONTROL RECEIVER MODULE SPECIFICATION

1. Application

This specification is applied to optic remote control receiver module PIC-26043SM which will be delivered to PAVER COMPONENTS Plc.

2. Dimentions As per attached drawing (KCTS-626043-3).

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3-1. Maximum ratings WW WITH

Item	Symbol	Ratings	Unit	Remarks
Supply voltage	Vcc	5.8	V	OOX.CO T.TW
Operating temperature	Topr	-10~+60	°C	No dewfall
Storage temperature	Tstg	-20~+75	°C	. TW
Soldering temperature	Tsd	260	°C	t≦5s,2mm from lead foundation

3-2. Electro-optical characteristics

Item	Symbol	Min.	Typ.	Max.	Unit	(Ta=25°C, Vcc=5V Remarks
Current consumption	Icc	VT		5.0	m A	Under no signal
Peak wavelength	λp	OM.	N 940	WW	nm	Note 1
Tuning frequency	fo	OM	37.9	WW	kHz	Note 1
Output form	100	- active	low ou	ON COMP.		
H level output voltage	Voh	4.2	- XXI		V	Note 1
L level output voltage	Vol		$U_{I,I}$	0.5	V	Note 1
H level output pulse width	Twh	400	WIIN	800	μs	Note 1
L level output pulse width	Twl	400	MIN	800	μs	Note 1
Distance between emitter & detector	1	10.0	TI	N	m	Note 1
Half angle	Δθ	· NOV	± 45	W.	deg	Horizonal direction

3-3. Recommendable operating supply voltage
Supply voltage Supply voltage 4.5~5.5V

- Note 1. Distance between emitter & detector specifies maximum distance that output wave form satisfies the standard (3-2) under the conditions below against the standard
 - (1) measuring place.....Indoor without extreme reflection of light.
 - (2) Ambient light source. Detecting surface illumination shall be $200 \pm 50 \text{Lux}$ under ordinary white fluorescense lamp of no high frequency lightning.
 - (3) Standard transmitter. Burst wave indicated in drawing 3-1 of Standard transmitter shall be arranged to 50mVp-p under the measuring circuit specified in drawing 3-2.

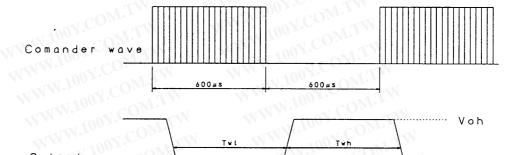
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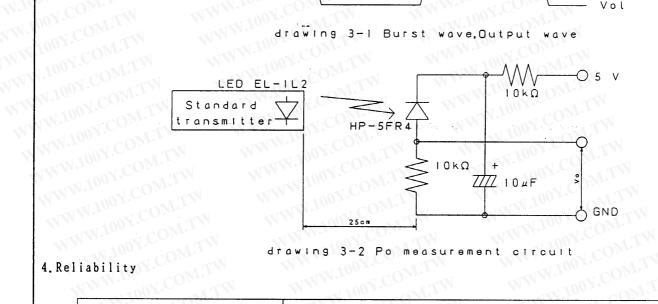
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Carrier fo=37.9 KHz Duty 50%



WWW.100Y.CO



4.Reliability

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Output wave WWW.100

Test item	Test condition	1.0	M	Stan	dard
High temparature	Ta=+60°C Vcc=5.0V	t = 2	40 I	Note	2.
High temp. & high hum	Ta=+40℃ 90%RH Vcc=5.0V	t = 2	40 I	Note	2.
Low temparature	Ta=-10°C Vcc=5.0V	t = 2	40 I	Note	2.
Heat cycle	-20°C(0.5H)∼+75°C(0.5H) 20cycle	100	Y.U	Note	2.
Dropping	Test devices shall be dropped 3 times natura ontohard wooden board from a 75cm height pos		NOY.	Note	3.

- Note 2.3-2 (electro-optical characteristics) shall be satisfied after leaving 2hours in the normal temperature.
- Note 3.3-2 (electro-optical characteristics) shall be satisfied and no conpicuous deforms WWW.100Y.COM. and destructions of appearance, (excepting deforms of terminals) WWW.100Y.COM. WWW.100Y.COM WWW.100Y WWW.100Y.COM.T

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5. Inspection standard

- . 5-1. Among electrical characteristics, total number shall be inspected on items blow.
 - 1. front distance between emitter & detector WWW.100Y.COM.T
 - 2. Current consumption
 - 3. H level output voltage
- 4.L level output voltage
- WWW.100Y.COM.TW 5-2. Items except above mentioned are not inspected particularly, but shall fully stisfy

6. Caution (When use and storage of this device)

- 6-1. Store and use where there is no force causing transformation or change in quality.
- 6-2. Store and use where there is no corrosive gas or sea(salt) breeze.
- 6-3. Store and use where there is no extreme humidity.
 - 6-4. Solder the lead-pin within the condition of ratings. After soldering do not add extsrios force .
 - 6-5. Do not wash this device. Wipe the stains of diode side with a soft cloth, you can use the solvent, ethylalcohol or methylalcohol or isupropylene only.
 - 6-6. To prevent static electricity damage to the Pre-AMP make sure that the human body ,the soldering iron is connected to ground before using.
- 6-7. Put decoupling device between Vcc and GND for reduse the noise from power supply line.
 - 6-8. The performance of remote-control system depends on environments condition and abilty of periferal parts. Customer should evaluate the performance as total system in those conditions after system up with components such as commander, micon and this receiver WWW.100Y.COM.TW WWW.100Y.COM.T WWW.100Y.COM. WWW.100Y.COM.TW

7. Guarantee period and scope

7-1. Guarantee period

WW.1007.COM.TW One year after delivery to desired place.

Guarantee scope

7-2. Guarantee scope

A re-delivery of goods will be carried out if the cause of malfunction lies in our device. However no responsibilities will be taken for the inconveniences caused by the malfunction of our devices.

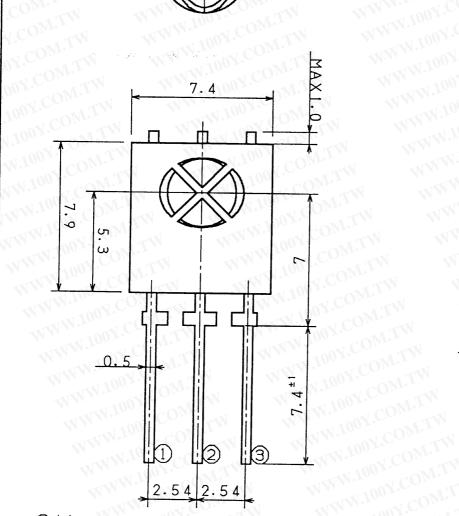
8.Others

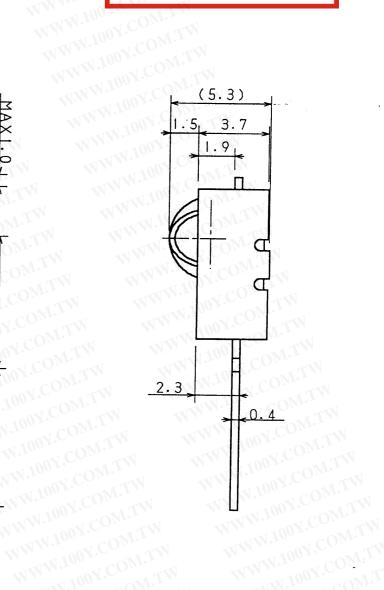
- 8-1. This device is not design to endure radiative rays and heavily charged particles.
- 8-2. In case where any trouble or questions arise, both parties agree to make ful discussion WWW.100Y.COM.TW WWW.100Y.COM.T covering the said problem.

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	2G	ND						I. I	WWW	M.100A.	$\frac{co_N}{co_{M}}$	LTW	I	WW	W.1005	COM.
		СС	M.	WW.	100X	CO _J	M.T	NO.	名 DTE COI	称 NTROL R	L 杉	. (1	質 DULE	個数 R # 5/1	備 ************************************	考 04.01
8	付	改	訂	事	項	担	0 当	R #	PIC-	2604	3 S M	CO_{M}	TW	美面负现	N N A	100X.CC
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