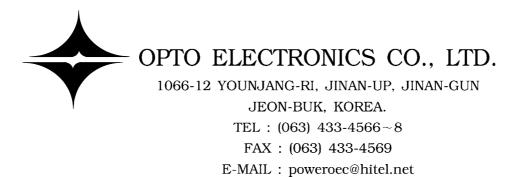
DATE : 2003. 04. 08.

SPECIFICATION

PRODUCT : REMOCON MODULE

MODEL : 454HF2A



ОРТО	TITLE	문서번호	OQSS-R-175
		개정번호	IR
ELECTRONICS CO., LTD.	REMOCON PREAMP	개정일자	2003년 4월 28일
(株) 元光電子	454HF2A	PAGE	1 / 6
	ystems. lifier are assembled on age is designed as IR filter. ets, VCRs and audio equipment.		
HA equipment such as air co3. OutlineRefer to the attached drawing			
 4. Features Photo detector and preamp Enhanced immunity against High performance photo did High speed response and d Low consumption of electric 5. Block Diagram 	all kinds of disturbance light ode and built-in excursive I · C output		
Photodiode ///// Oscillato	CGA&Filter Demodulator AGC/ATC & digital control		Vcc Out Gnd
NOTE			
OQSP-04-01-01-IR			A4(210×297mm)

	ΤΙΤΙΕ	문서번호	OQSS-R-175	
ELECTRONICS CO., LTD.	REMOCON PREAMP	개정번호	IR	
	REMOCON FREAMF	개 정 일 자	2003년 4월 28일	
(株)元光電子	454 HF 2 A	PAGE	2 / 6	

6. Ratings and Characteristics

6-1. Absolute maximum ratings

(Ta=25℃)

Characteristics	Symbol Value		Unit
Power supply voltage	Vcc	6.0	V
Operating temperature	Topr	-10 to +60	Э°
Storage temperature	Tstg	-20 to +75	Э°
Soldering temperature	Tsol	260 , 5 sec	С

6-2. Electro-optical characteristics

* All values are at 25°C

	-						(Ta=25℃)
Characteristic	Symbol	Condition		Min	Тур	Мах	Unit
Supply voltage	Vcc			4.5	5.0	5.5	V
Current consumption	lcc	*1		0.3		2.0	mA
Resonance frequency	Fo			-	38	-	KHz
Peak wave length	λρ			-	980	-	nm
H level output voltage	Voh	*2		4.5	5.0	-	V
L level output voltage	Vol	*2		-	0.2	0.4	V
H level pulse width	Twh	*2		500	-	700	us
L level pulse width	Twl			500	-	700	us
			±0 °	-	20	-	
Arrival distance	L *2,3,4	*2,3,4	$\pm 30^{\circ}$	-	10	-	m
			±45°	-	8	-	
Output form	Active low						

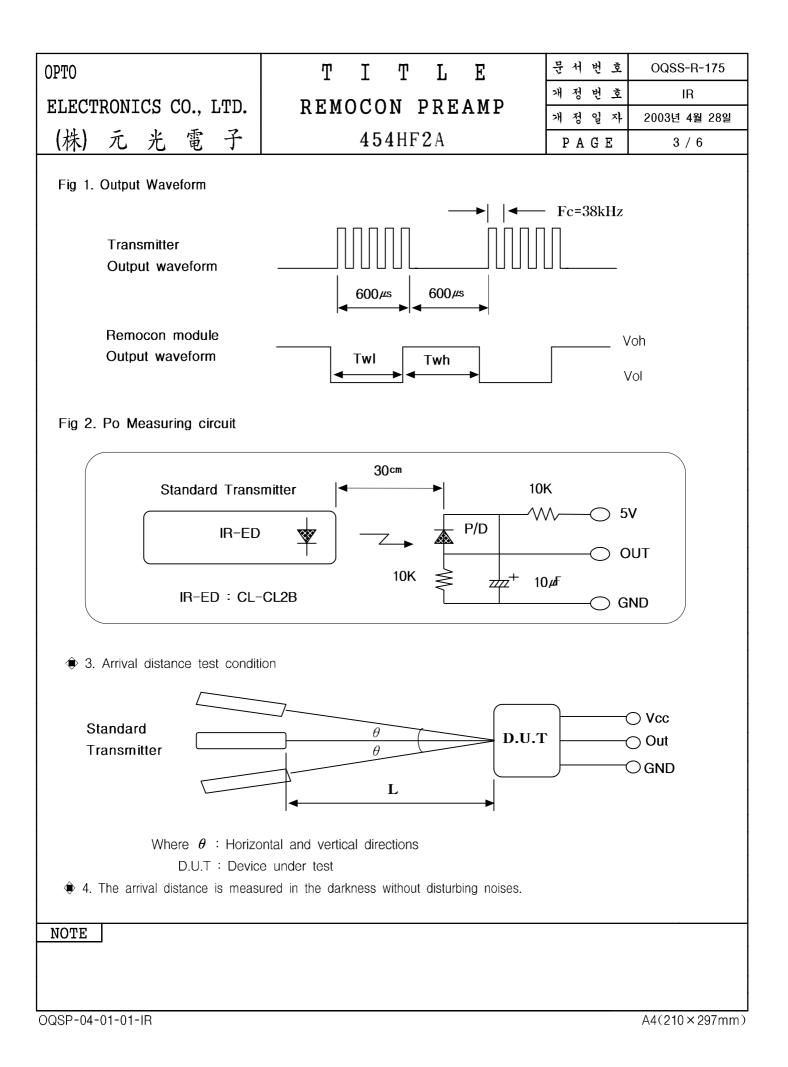
- ♦ 1. No input signal, Vin=0V
- ♦ 2. The specifications 6-2 shall be satisfied under the following conditions

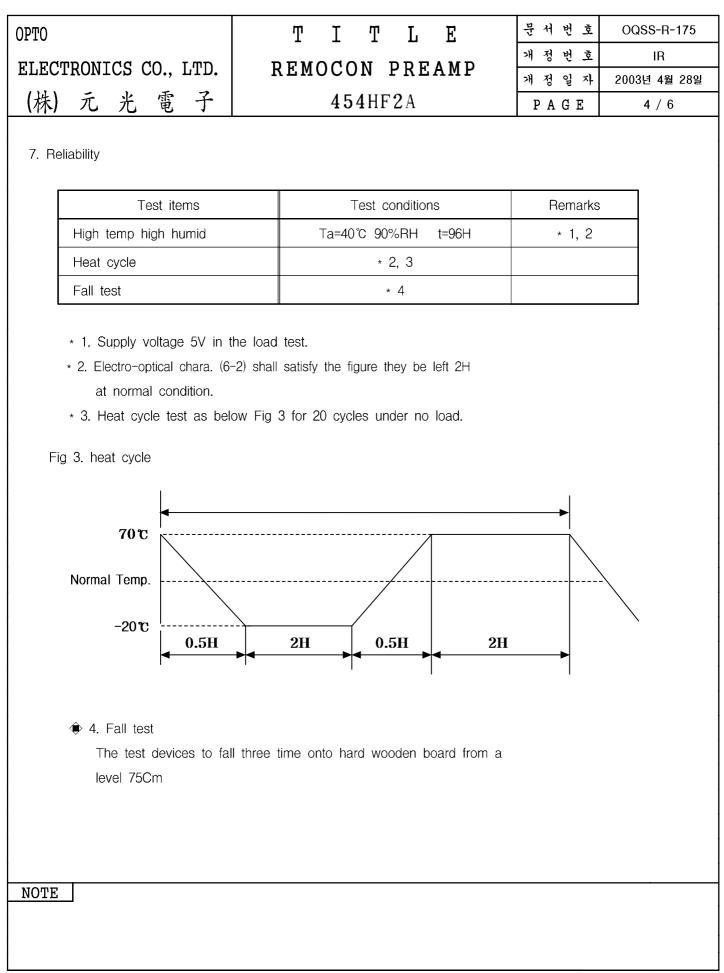
2-1. The burst wave forms shown bellow in the Fig 1 shall be transmitted by the standard transmitter.

The standard transmitter shall be specified of the burst wave form in the

Fig 1 adjusted to Vout 200mVp-p upon Po measuring circuit Fig 2.

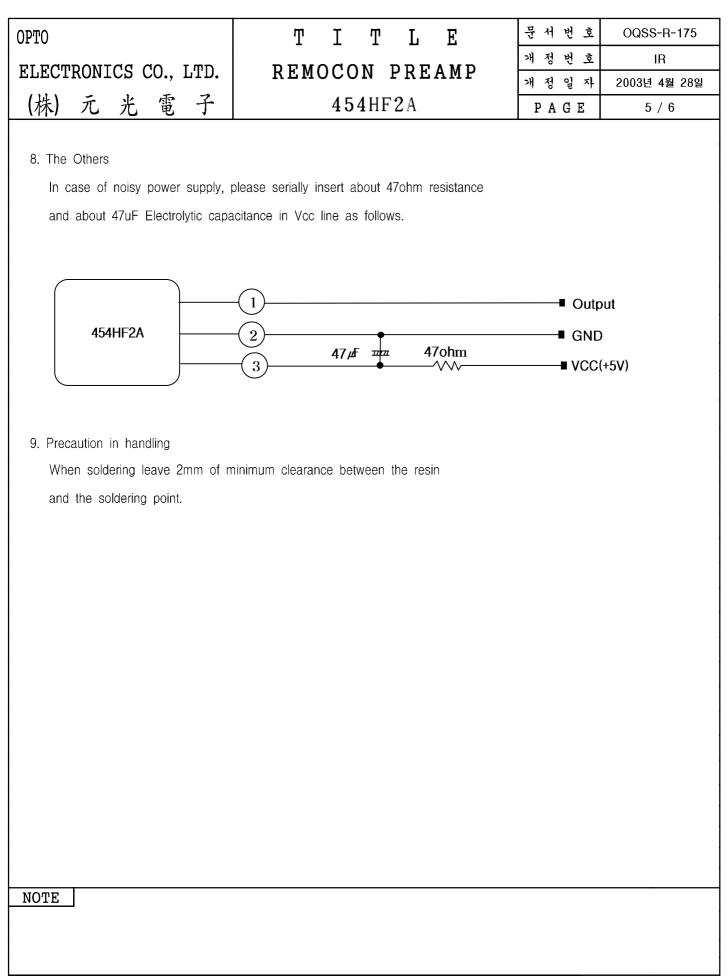
NOTE

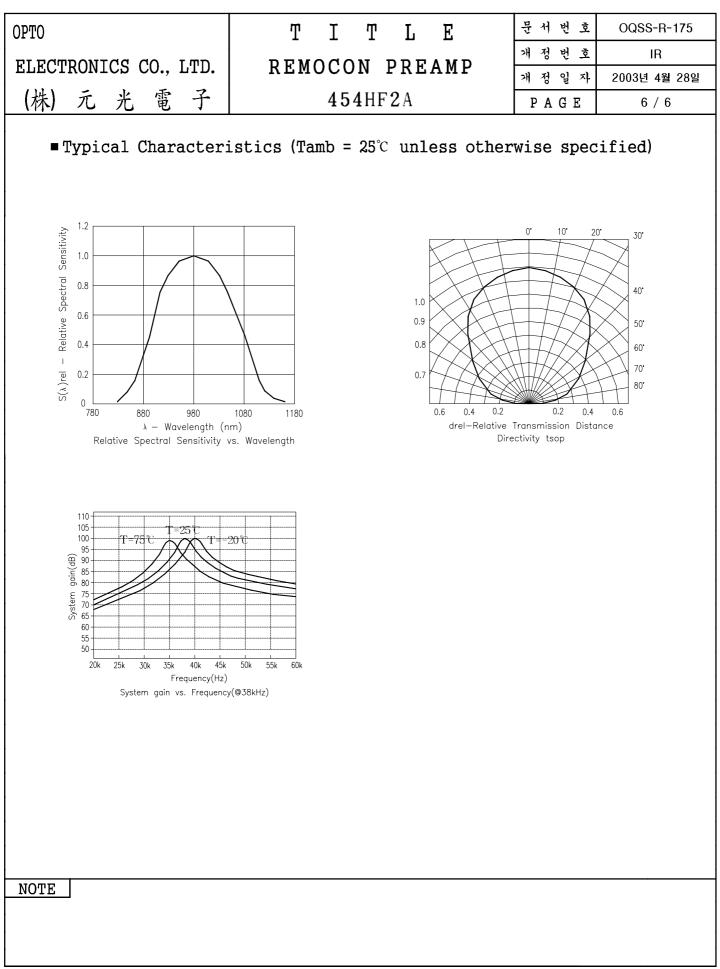




OQSP-04-01-01-IR

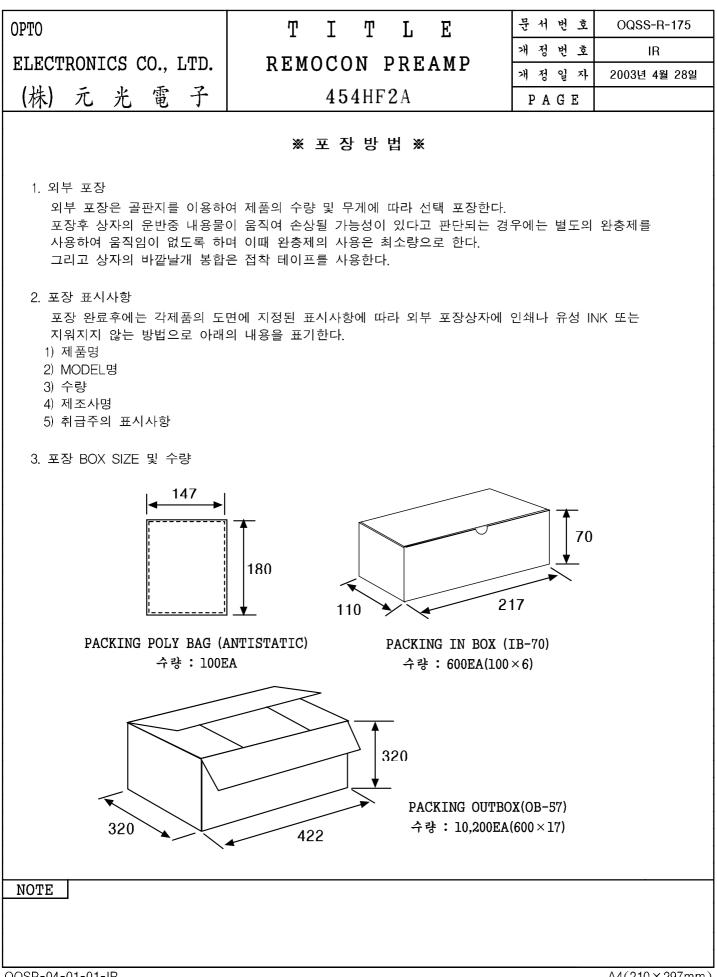
A4(210×297mm)





OQSP-04-01-01-IR

A4(210×297mm)



OQSP-04-01-01-IR

A4(210×297mm)

