
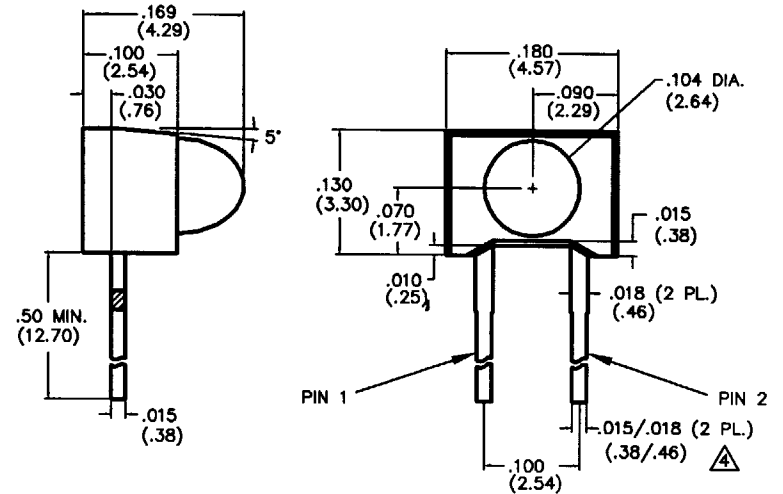


REVISIONS			
LTR.	DESCRIPTION	DATE	APPROVED
A	FORMAL RELEASE		
B	ECN #U307, CHG. DASH CATEGORIES P.B.	7-31-90	DB 8-6-90
C	ECN #Y988 DELETE FINE BIN TEST PB	3-18-92	DB 4-2-92
D	ECN #AH169, ADD NOTE 4 PB	6-30-95	DB7-11-95
E	ECN # AY309- UPDATE BOM, NOTES LJ	8-24-01	<i>lwc 8/24/01</i>
F	ECR # 0036879 NEW PART NUMBER -103 ADDED	02-19-08	BLR 02-19-08

NOTES:

- PIN 1 IS EMITTER, PIN 2 IS COLLECTOR.
- Absolute Maximum Ratings:
 Collector to Emitter Voltage 30 V
 Emitter to Collector Voltage 5 V
 Storage and Operating Temperature.....-40°C to +100°C
 Lead Soldering Temperature (5 sec.) 260°C
 Continuous Power Dissipation at TA=25°C 60mW
- ALL DIMENSIONS IN INCHES (MILLIMETERS).
-  LEADS ARE COINED AND BLANKED BELOW THE LEADFRAME TIE BAR TO THE DIMENSION SHOWN.
- TEST PROGRAM B1571001



REF	2	050-0477-001		TIGHT BEAM SIDELOOKER PACKAGE DESIGN				
REF	1	730-0721-001		ASSEMBLY DWG.				
-005	-004	-003	-002	-001	ITEM NO	HONEYWELL OPTO.	GOV'T OR INDUSTRY	DESCRIPTION OR NOMENCLATURE
QTY. REQ'D					NO	PART OR IDENTIFYING NO.		

DOCUMENTATION CONTROL			UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES: ANGLES±1° 3 PLACE DECIMAL ±.005 2 PLACE DECIMAL ±.02	DRAFT.	DATE	<h1 style="text-align: center;">Honeywell</h1> <p style="text-align: center;">TITLE TIGHT BEAM SIDELOOKER, PHOTOTRANSISTOR</p> <p style="text-align: center;">SIZE A DWG. NO. 855-8436-TAB</p> <p style="text-align: center;">5=1 SCALE SHEET 1 OF 2</p>
CLASS	EFFECT. DATE	APPROV.		C. LAKES	12-12-88	
A				CHECK	K. HIECKE 12-14-88	
B				ENGR.	B. LILES 12-13-88	
C				MANUF.	D. BELL 12-13-88	
D				Q.A.	B. MC ALISTER 12-15-88	
R			FILE NAME	855-8436-tab_rd.1.e		

RASTER

110-0800-003

ELECTRO-OPTICAL CHARACTERISTICS AT 25 DEGREES C

SYMBOL	DESCRIPTION	CONDITIONS	MIN	TYP	MAX	UNITS
II	Light Current (1)	Vce = 5V H = 1mW/cm ²				mA
	855-8436-001		.50			
	855-8436-002		4.0		10.0	
	855-8436-003		7.0		17.5	
	855-8436-004		12.5		11.5	
	855-8436-103		7.0			
Id	Dark Current	Vce = 15V H = 0mW/cm ²			100	V
BVceo	Collector-Emitter Breakdown Voltage	Ic = 100uA	30			V
BVaco	Collector-Emitter Breakdown Voltage	Ie = 100uA	5			V
Vce(sat)	Collector-Emitter Saturation Voltage	Ie = 100uA H = 1mW/cm ²	5			V
tr	Light Current Rise Time	Vcc = 5V Ic(on) = 1mA				uSec
φ	Beam Angle (2)			10		Deg
Δθ	Deviation Between Optical and Mechanical Axes			<3		Deg

NOTES:

- (1) The radiation source for the light current, saturation voltage and rise time measurement is an IRED with a peak wavelength of 940nm.
- (2) Beam angle is the total angle between the half power points.
- (3) Units which have special customer requirements shall be described under separate documents with DWG. NUMBER 855-8436-1XX.

RASTER

110-0800-004

Honeywell

DRAWING NO.

855-8436-TAB

FILE NAME

855-8436-tab_rd.2.e

SIZE

A

SHEET 2 OF 2

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