
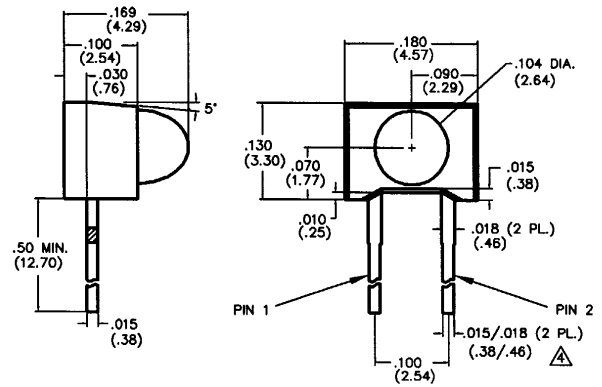


REVISIONS			
LTR.	DESCRIPTION	DATE	APPROVED
A	FORMAL RELEASE		
B	ECN # U778, CHG. Po. LIMITS P.B.	10-1-90	10-1-90
C	ECN # AB371 CHG. Po. LIMITS P.B.	12-29-92	DB1-5-93
D	ECN # AH169, ADD NOTE 4 P.B.	06-30-95	DB7-11-95
E	ECN # AK014 CHG. ASSY. DWG. FROM -002 PB	07-08-96	DB7-29-96
F	ECN # AY310- UPDATE BOM, NOTES LJ	8-24-01	<i>KAL 8/24/01</i>

NOTES:

- PIN 1 IS CATHODE, PIN 2 IS ANODE.
- Absolute Maximum Ratings:
 - Reverse Voltage 3 V
 - Continuous Forward Current at TA=25°C 50 mA
 - Derate Linearly at 0.67mA/°C for TA>25°C
 - Storage and Operating Temperature -40°C to +100°C
 - Lead Soldering Temperature (5 sec.) 260°C
 - Continuous Power Dissipation at TA=25°C 60mW
 - Derate Linearly at 0.8mW/°C for TA>25°C
- ALL DIMENSIONS IN INCHES (MILLIMETERS).
-  LEADS ARE COINED AND BLANKED BELOW THE LEADFRAME TIE BAR TO THE DIMENSION SHOWN.
- TEST PROGRAM B1570001



REF	2	050-0477-001	TIGHT BEAM SIDELOOKER PACKAGE DESIGN					
REF	1	730-0720-001	ASSEMBLY DWG.					
-005	-004	-003	-002	-001	ITEM NO	HONEYWELL OPTO.	GOV'T OR INDUSTRY	DESCRIPTION OR NOMENCLATURE
QTY. REQ'D					PART OR IDENTIFYING NO.			

DOCUMENTATION CONTROL		
CLASS	EFFECT. DATE	APPROV.
A		
B		
C		
D		
R		

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES:
ANGLES±1°
3 PLACE DECIMAL ±.005
2 PLACE DECIMAL ±.02

MATERIAL:

DRAFT.	DATE
DON MORGAN	2-10-90
CHECK	
MACK BEAN	5-3-90
ENGR.	
J. WOODS	2-12-90
MANUF.	
C. TEAMANN	4-1-90
Q.A.	
B. BARNES	5-3-90
FILE NAME	
845-8736-tab_rd.0.f	

Honeywell

TITLE TIGHT BEAM SIDELOOKER,
GaAlAs LED

SIZE A DWG. NO. **845-8736-TAB**

5=1 SCALE SHEET 1 OF 2

110-0800-003

SYMBOL	DESCRIPTION	CONDITIONS	MIN	TYP	MAX	UNITS
Po	Output Power (1)	If = 20mA				
	845-8736-001		.50			mW/cm2
	845-8736-002		1.2		3.0	
845-8736-003		1.7				
Vf	Forward Voltage	If = 20mA		1.4	1.65	V
Vr	Reverse Breakdown Voltage	Ir = 10uA		3		V
	Peak Wavelength			880		nM
	Beam Angle (2)			10		Deg
	Deviation Between Optical and Mechanical Axes			<3		Deg

NOTES:

- (1) Power is that power measured into a .104" aperture placed .500" from the lens tip.
(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 845-8736-1XX.

Honeywell

DRAWING NO.

845-8736-TAB

FILE NAME

845-8736-tab_rd.2.f

SIZE

A

SHEET 2 OF 2

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