DOCUMENTATION CONTROL		
CLASS	EFFECT DATE	APPROV.
A		
B		
C	11/2/83	GD
D		
R		

REVISIONS				
LTR.	DESCRIPTION		DATE	APPROVED
G	ECN #C337 CHANGES PER ENG. INPUT	A.M.	11-1-83	
H	ECN #G510 ADDED ITEM #2	P.B.	02-19-86	2/24/86
J	ECN #AG303 DWG. # WAS 845-8506-TAB	PB	03-27-95	4-3-95

NOTES:

1. FOR ELECTRICAL SPECIFICATIONS, SEE SHEET 3.
2. OUTPUT POWER IS GUARANTEED TO MEET 2.5% AQL.
3. PIN 1 IS CATHODE.
4. PIN 2 IS ANODE.
5. λ = 930nm
6. BEAM ANGLE ϕ = 25^0

APR 03 1995

QTY. REQ'D					ITEM NO	PART OR IDENTIFYING NO.		DESCRIPTION OR NOMENCLATURE
-005	-004	-003	-002	-001		HONEYWELL OPTO.	GOVT OR INDUSTRY	
REF	REF	REF	REF	REF	1	842-8506-00X		MFG. AND TEST PROCEDURE (PROPRIETARY)

FINAL	SEP 8506
NEXT ASSY	USED ON
APPLICATION	

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

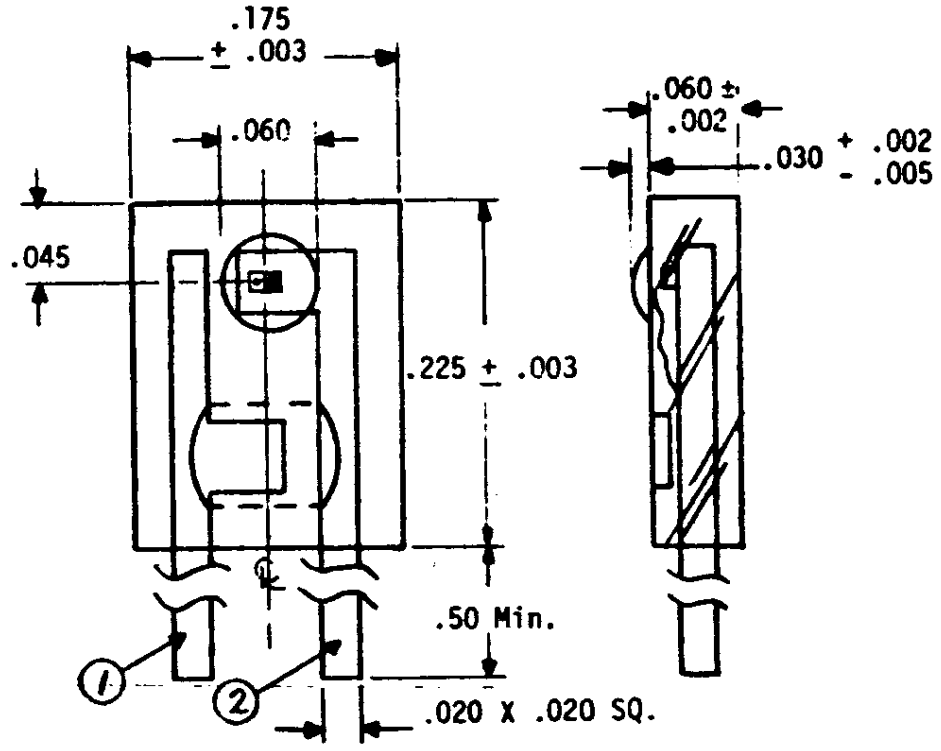
MATERIAL:

	DRAFT.	DATE
	A. MARPLE	11-1-83
CHECK		
ENGR		11-2-83
MANUF.		11-2-83
Q.A.		11-2-83

Honeywell
OPTOELECTRONICS

TITLE: SIDE LOOKING EMITTER

SIZE	FSCM	DWG. NO.	
A	32388	845-8506-00X	
	SCALE	SHEET 1	OF 3



Honeywell OPTOELECTRONICS	CODE IDENT NO. 32388	SIZE A	DRAWING NO. 845-8506-00X
	REV. J	SHEET 2 OF 3	

Honeywell
OPTOELECTRONICS

OPTICAL/ELECTRICAL CHARACTERISTICS (T_A = 25°C)

PARAMETER	TEST CONDITION	DEVICE NUMBER	LIMITS MIN	LIMITS MAX	UNITS
P_O	I_F = 20 mA	8506-001	.05	.36	MW/cm^2
		8506-002	.33	.52	
		8506-003	.45	.90	
		8506-004	.80	2.2	
V_F	I_F = 20 mA	ALL		1.6	VOLTS
V_R	I_R = 10 µA	ALL	6.0		VOLTS

NOTES:

POWER OUT MEASURED THRU A 0.104" APERATURE PLACED 0.535" FROM LENS TIP.