

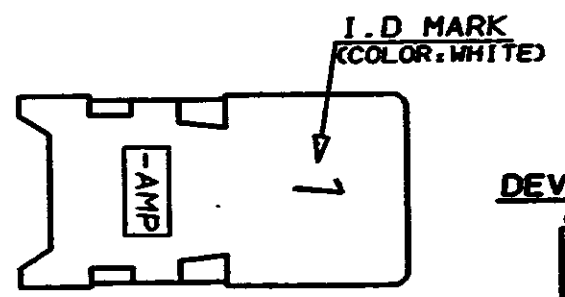
NUMBER 174134-1

METRIC

DIMENSIONS IN MILLIMETERS. DO NOT SCALE PRINT

PRINT DIST

①	EMITTER
②	COLLECTOR
POLARIZATION	



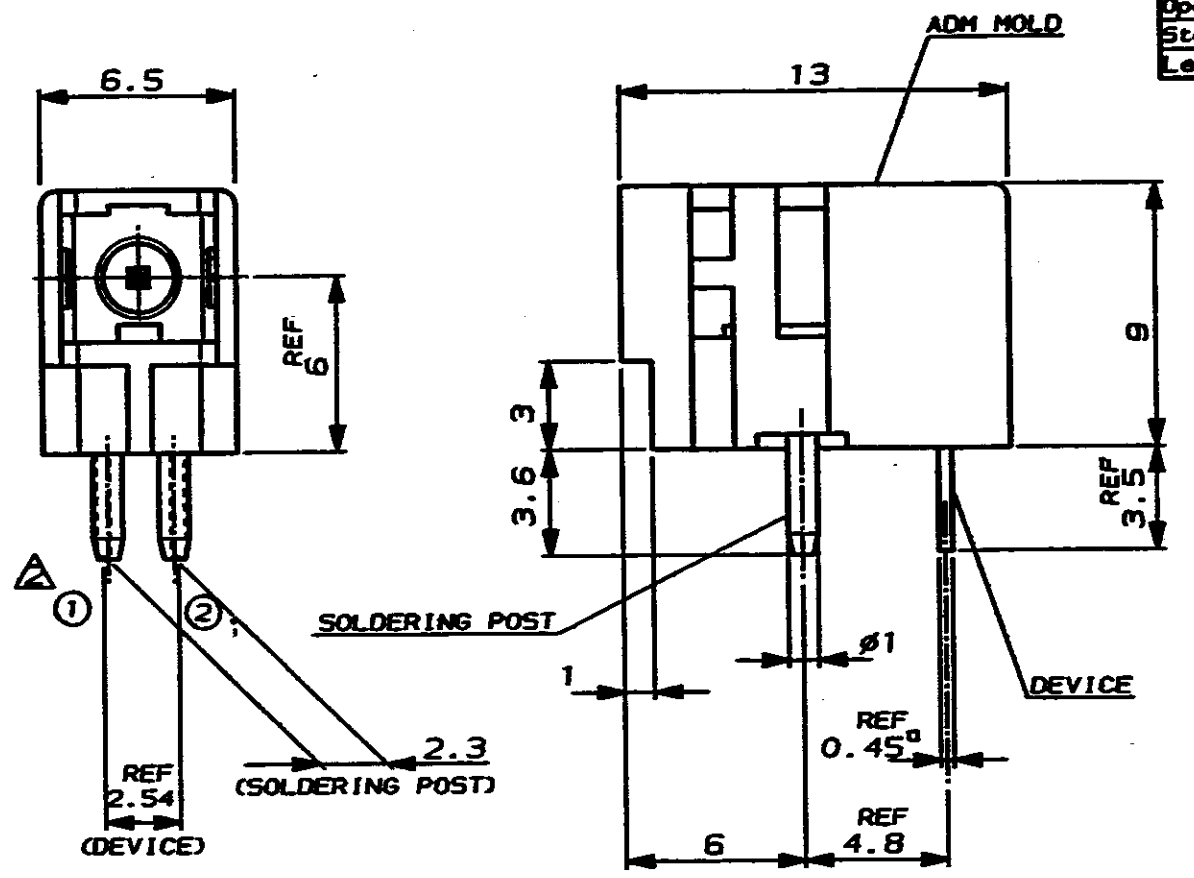
DEVICE PERFORMANCE SPEC. SILICON NPN PHOTO TRANSISTOR

MAXIMUM RATINGS (T_a=25°C)

CHARACTERISTICS	SYMBOL	RATING	UNIT
Collector Power Dissipation	P _c	100	mW
Collector Current	I _c	10	mA
Collector to Emitter Voltage	V _{ce}	20	V
Operating Temperature	T _{opr}	-25~+85	°C
Storage Temperature	T _{stg}	-30~+100	°C
Lead Soldering Cycle	T _{sol}	260°C, 5sec	

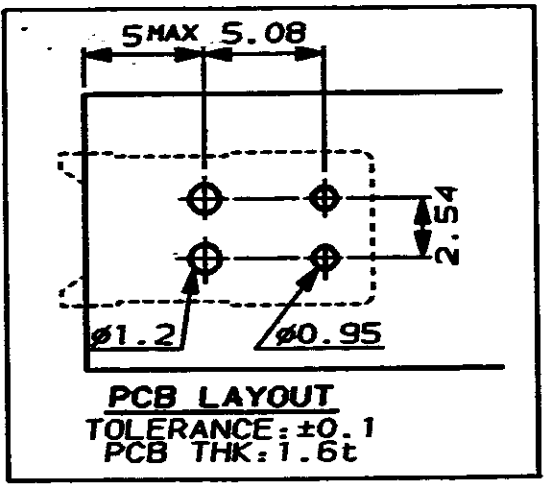
OPTICAL-ELECTRICAL CHARACTERISTICS (T_a=25°C)

CHARACTERISTICS	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Fiber Coupled Sensitivity	S _f	P _f =20μW λ _p =660nm	80	---	---	A/W
Dark Current	I _{ceo}	V _{ce} =10V	---	0.01	1	μA
Peak Sensitivity Wavelength	λ _p	V _{ce} =10V	---	800	---	nm
Collector to Emitter Saturation Voltage	V _{ce(sat)}	I _{ce} =1mA	---	0.2	0.5	V
Rise Time	t _r	I _{ce} =1mA	---	4	---	μs
Fall Time	t _f	V _{ce} =10V R _L =100Ω	---	4	---	μs
Beam Angle at 50% Axial Intensity	θ		---	70	---	deg



NOTE; 1 MATERIAL

- ADM MOLD: THERMOPLASTIC (熱可塑性ポリエステル) UL 94V-0
- SOLDERING POST: Pre Tin-Lead Fe (半田めっき付鉄)
- △ POLARIZATION: SEE ABOVE TABLE (極性)
- △ USING PLASTIC FIBER CABLE, NA=0.5
- CORE/CLAD DIAMETER: 735/750μm, FIBER LENGTH=0.5m
- 4 THE CONDITION OF WASHING OFF FLUX.
- WASHING TIME: 30sec MAX.
- SOLVENTS TEMPERATURE: 45°C MAX.
- USABLE SOLVENTS: Freon TE or TF
- Dai-Fron Solvent S3 or S3-E.
- 5 OPERATING TEMP: -25~+85°C
- 6 STORAGE TEMP: -30~+100°C



1	SILICON PHOTO TRANSISTOR シリコン・フォト・トランジスタ	BLACK	174134-1
I.D MARK	DEVICE	ADM MOLD COLOR	PART NUMBER

		AMP AMP (JAPAN), LTD. Tokyo, Japan	
WIRE RANGE		INSULATION DIA	
MATERIAL		FINISH	
SEE NOTE △		SEE NOTE △	
SIMPLEX PHOTO TRANSISTOR MODULE (AMP OPTIMATE MINI-DNP CONN.)			
GENERAL TOLERANCE		SIZE	LOC NUMBER
0-CHK 10 : ±0.2 10-CHK 30 : ±0.25 30-CHK 100 : ±0.3 ANGLES : ±3°		A3 J	174134-1
LTR REVISION RECORD		SCALE	REV. SHEET
DR. H. SHOJI		4-1	A 1 OF 1
DR. H. SHOJI			

CUSTOMER DRAWING