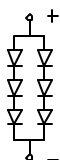
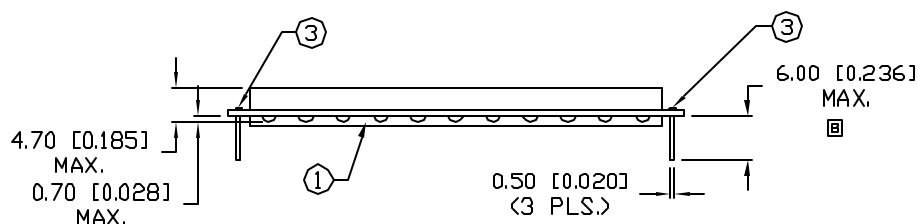
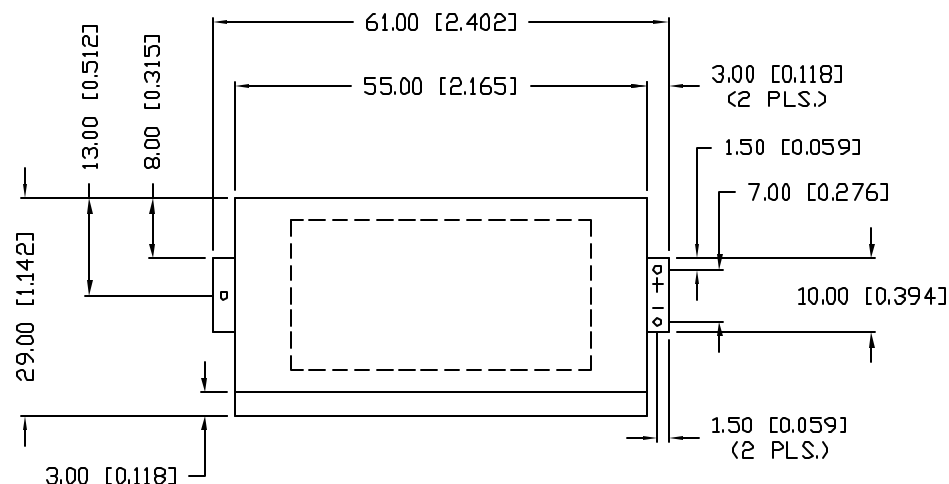


UNCONTROLLED DOCUMENT



3 CHIPS IN SERIES
2 PARALLEL BRANCHES

PART NUMBER
SSB-PG5526YC

REV.
E

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #10381./	10-6-97
B	E.C.N. #10388./	11-4-97
C	E.C.N. #10BRDR. & REDRAWN.	11-19-98
D	E.C.N. #10BRDR. & #10799.	10.23.01
E	E.C.N. #10916.	10.10.02

ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^\circ\text{C}$

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		585 (YELLOW)		nm	
FORWARD VOLTAGE		6.3	7.5	V_f	
REVERSE VOLTAGE	10			V_r	$V_r=100\mu\text{A}$
LUMINOUS INTENSITY		45		cd/m^2	$I_f=40\text{ mA}$
EMITTED COLOR:	YELLOW				
REFLECTOR FINISH:	CLEAR WHITE				

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT	60	mA
STEADY CURRENT	40	mA
POWER DISSIPATION	0.45	W
DERATE FROM 25°C	-7.2	mW/ $^\circ\text{C}$
OPERATING TEMP.	-25 TO +70	$^\circ\text{C}$
STORAGE TEMP.	-40 TO +80	$^\circ\text{C}$
SOLDERING TEMP.	+260	$^\circ\text{C}$
2.0mm FROM BODY	3 SEC. MAX	

NOTES:

- 3M#4945 20mm x 40mm TAPE CENTERED ON BOTTOM OF BOARD.
- DO NOT GRIND SOLDER ON BOTTOM OF BOARD.
- USE HI-TEMP SOLDER (260°C) FOR ANODE, CATHODE AND LOCATOR PINS.

*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X= ± 1 (± 0.039), XX= ± 0.5 (± 0.020), XXX= ± 0.25 (± 0.010), XXXX= ± 0.127 (± 0.005). LEAD SIZE= ± 0.05 (± 0.002), LEAD LENGTH= ± 0.75 (± 0.030). MIN= +DECIMAL PRECISION -0.00 MAX.= +0.00 -DECIMAL PRECISION

REV.
E

PART NUMBER
SSB-PG5526YC

55mm x 26mm P.C.B., SINGLE EDGE LIT BACKLIGHT,
6 CHIPS, 585nm YELLOW, CLEAR WHITE.

CONFIDENTIAL INFORMATION

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RELIABILITY NOTE

OUR MANY YEARS OF EXPERIENCE DATA ACCUMULATION INDICATE THAT SOLDER HEAT IS A MAJOR CAUSE OF EARLY AND FUTURE FAILURE. PLEASE PAY ATTENTION TO YOUR SOLDERING PROCESS.



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