

UNCONTROLLED DOCUMENT

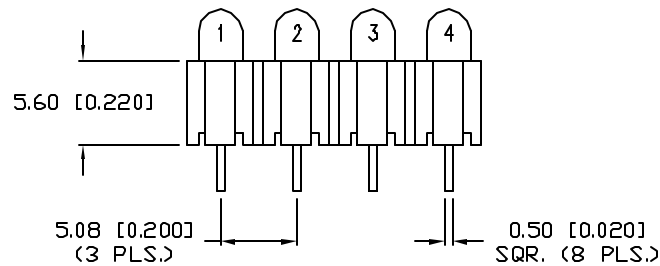
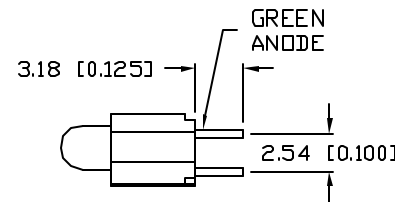
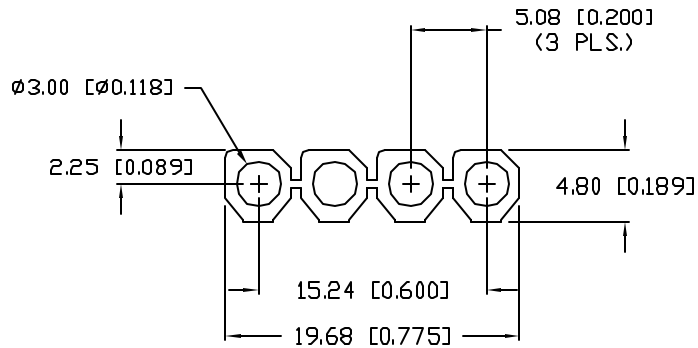
SC:0.50

PART NUMBER

REV.

SSA-H0430-Q10657

PRELIMINARY IN P/N DIR



ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^\circ\text{C}$ $I_f=20\text{mA}$

PARAMETER	GREEN	RED	YELLOW	UNITS	TEST COND
PEAK WAVELENGTH	565	635	585	nm	
FORWARD VOLTAGE (TYP.)	2.2	2.0	2.1	V _f	
FORWARD VOLTAGE (MAX.)	2.6	2.5	2.5	V _f	
REVERSE VOLTAGE	5.0	5.0	5.0	V _r	$I_f=100\mu\text{A}$
AXIAL INTENSITY	30	30	30	mcd	$I_f=20\text{mA}$
VIEWING ANGLE	60	60	60	2x theta	
LED POSITION:	1~4	2	4		
EPOXY LENS FINISH: MILKY WHITE DIFFUSED					

LIMITS OF SAFE OPERATION AT 25°C PER DIE

PARAMETER	COLORS	MAX	UNITS
PEAK FORWARD CURRENT*		150	mA
STEADY CURRENT	(R/G/Y)	30/25/30	mA
POWER DISSIPATION		105	mW
DERATE FROM 25°C		-1.2	mW/°C
OPERATING, STORAGE TEMP.		-40 TO +85	°C
SOLDERING TEMP.		+260	°C
2.0mm FROM BODY			3 SEC. MAX

* $t < 10\mu\text{s}$

*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), X.X=±0.5 (±0.020), X.XX=±0.25 (±0.010), X.XXX=±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

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290 E. HELEN ROAD
PALATINE, IL 60067-6976
PHONE: +1.847.359.2790
US WEB: www.lumex.com
TW WEB: www.lumex.com.tw

T-3mm 4 LED ARRAY,
POS.1,3: GREEN, POS.2: BICOLOR RED/GREEN,
POS.4: BICOLOR YELLOW GREEN.

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.

DRAWN BY:

GT

CHECKED BY:

APPROVED BY:

DATE: 9.24.01

PAGE: 1 OF 1

SCALE: N/A