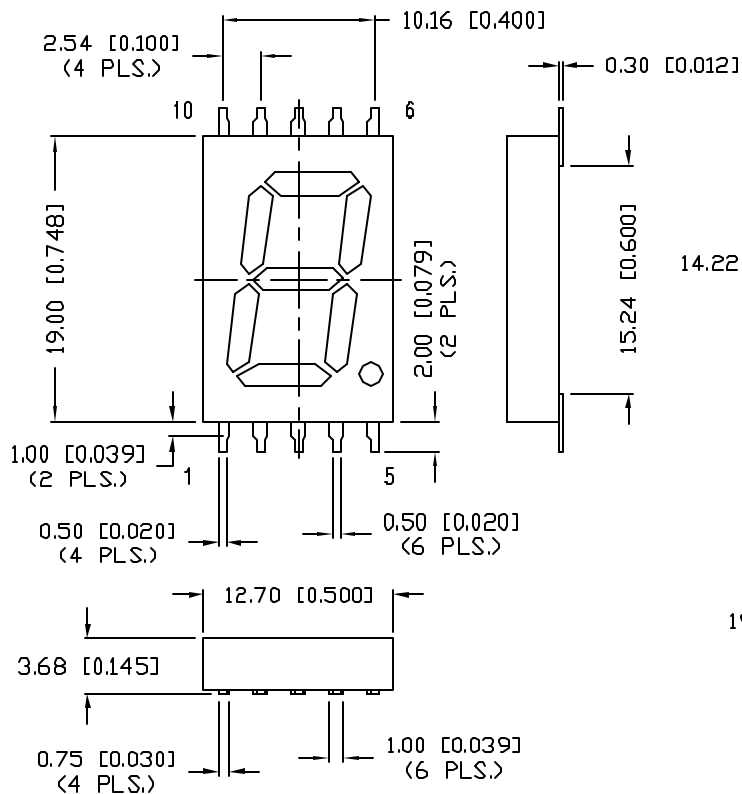
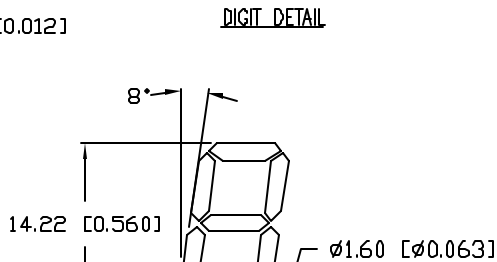
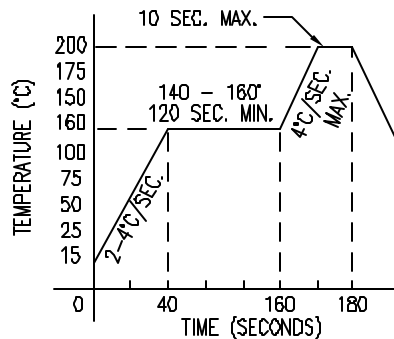


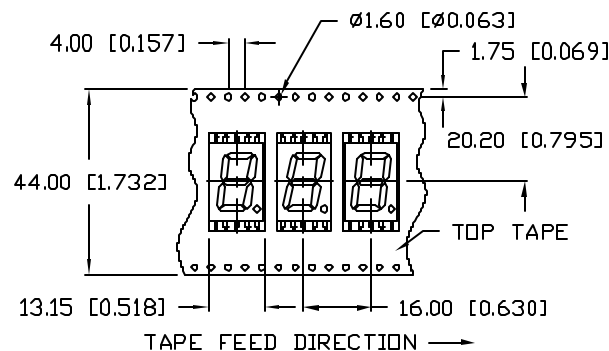
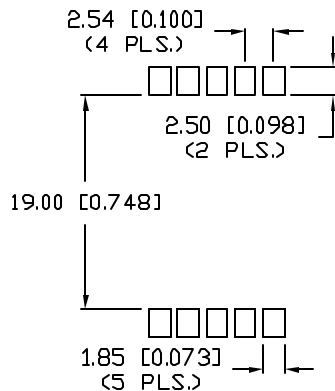
UNCONTROLLED DOCUMENT



REFLOW PROFILE



RECOMMENDED SOLDER PAD LAYOUT



SC:0.50

PART NUMBER

REV.

LDS-SMA5602RDQ8409

PRELIMINARY IN P/N DIR

ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^\circ\text{C}$ $I_F=10\text{mA}$

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		572		nm	
FORWARD VOLTAGE	2.0		2.1	V_F	
REVERSE VOLTAGE	5.0			V_R	$I_F=100\mu\text{A}$
AXIAL INTENSITY	5000		7000	μcd	$I_F=10\text{mA}$
EMITTED COLOR:	GREEN				
FACE COLOR:	BLACK				
SEGMENT COLOR:	MILKY WHITE DIFFUSED				

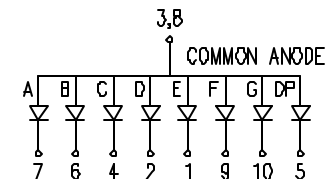
LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT	25	mA
POWER DISSIPATION	105	mW
DERATE FROM 25°C	-1.2	mW/ $^\circ\text{C}$
OPERATING, STORAGE TEMP.	-40 TO +85	$^\circ\text{C}$
SOLDERING TEMP.	+260	$^\circ\text{C}$
2.0mm FROM BODY	3 SEC. MAX	

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

NOTES:

1. 1,000 PCS. PER REEL.



UNCONTROLLED DOCUMENT

*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.=+0.00 DECIMAL PRECISION MAX.=+0.00 DECIMAL PRECISION

REV.

PART NUMBER

LDS-SMA5602RDQ8409

0.56" SINGLE DIGIT SEVEN SEGMENT DISPLAY,
SURFACE MOUNT, 572nm GREEN CHIPS,
BLACK FACE, MILKY WHITE DIFFUSED, INTENSITY SORTED.

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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APPROVED BY:

DATE: 6.27.01

PAGE: 1 OF 1

SCALE: N/A