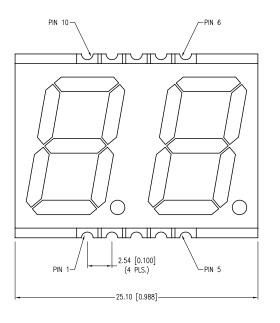
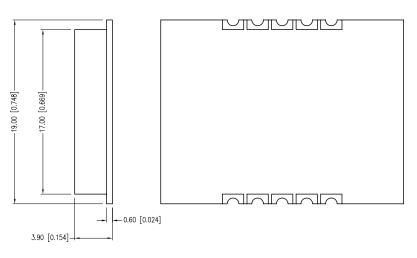
UNCONTROLLED DOCUMENT

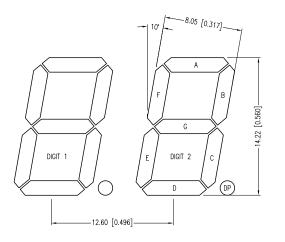
PART NUMBER	LDD-SMHTM5604RISIT R	REV.	А
DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.
05.04.12	E.C.N. #11820.		Α

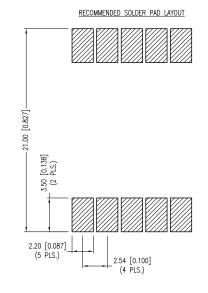


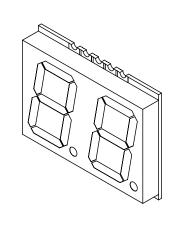


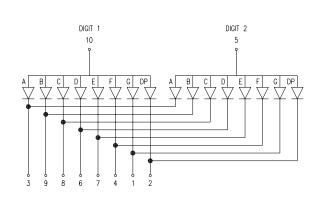
ELECTRO-OPTICAL	CHARACTERISTICS	Ta=25*C	If=20mA			
PARAMETER	MIN		TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH			640		nm	
FORWARD VOLTAGE			1.95	2.40	Vf	
REVERSE VOLTAGE	5.0				Vr	lr=100µA
AXIAL INTENSITY			6000		μcd	If=10mA
EMITTED COLOR:	RED				2x theta	
FACE COLOR:	GRAY					
SEGMENT COLOR:	MILKY WHITE	DIFFUSED				

LIMITS OF SAFE OPERATION AT 25°C	PER DIE	
PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	100	mA
STEADY CURRENT	25	mA
POWER DISSIPATION	60	mW
DERATE FROM 25°C	-0.30	mA/*C
OPERATING TEMP.	-40 TO +105	•C
STORAGE TEMP.	-40 TO +105	•C
* t<10µS		









*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= $^{+DECIMAL}_{-0.00}$ PRECISION MAX.= $^{+0.00}_{-0.00}$ MAX.= $^{+0.00}_{-0.00}$ PRECISION ARE: X=±1 (±0.039), X.XX=±0.5 (±0.020), X.XX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD SIZE=±0.05 (±0.003). MIN= $^{+DECIMAL}_{-0.00}$ PRECISION MAX.= $^{+0.00}_{-0.00}$ MAX.= $^{+0.00}_{-0.00}$ PRECISION INCONTROLLED DOCUMENT



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ON	DIVU	DIVITIOL	LD DUCUI	VILIVI
	DATE:	03.20.12	DRAWN BY:	AB
	PAGE:	1 OF 2	CHKD BY:	KF
	SCALE:	NTS	APRVD BY:	KF
	UNIT:	mm [INCH]	(Pb)	

UNCONTROLLED DOCUMENT _DD-SMHTM5604RISI1 PART NUMBER REV. Α LEAD FREE REFLOW PROFILE REV. DATE E.C.N. NUMBER AND REVISION COMMENTS 05.04.12 E.C.N. #11820. Α 300°C-10 SEC. MAX 250°C 4°C/SEC. MAX 200°C-TEMPERATURE (°C) 90-120 SEC. 160°C 150°C 100°C-2'C/SEC. MAX 50°C-25°C 0°C-50s 100s 150s 200s 250s 300s TIME (SEC.) TOTAL TIME ABOVE 220°C IS 60 SECONDS MAX. -4.00 [0.157] - ø1.50 [ø0.059] -2.00 [0.079] 1.75 [0.069] 0 \circ 0 Α [0.795] 20.20

*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 MAX.= +0.00 (±0.001), X.XXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). MIN= +DECIMAL PRECISION MAX.= +0.00 (±0.001), X.XXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). MIN= +DECIMAL PRECISION MAX.= +0.00 (±0.001), X.XXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). MIN= +DECIMAL PRECISION MAX.= +0.00 (±0.001), X.XXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). MIN= +DECIMAL PRECISION MAX.= +0.00 (±0.001), X.XXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.001), X.XXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.001), X.XX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.005), X.XX=±0.05 (±0.005), UNCONTROLLED DOCUMENT

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-24.00 [0.945]-TAPE FEED DIRECTION-

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DATE: 03.20.12 DRAWN BY: AΒ 2 OF 2 PAGE: CHKD BY: KF SCALE: NTS APRVD BY: KF UNIT: mm [INCH] (Pb)