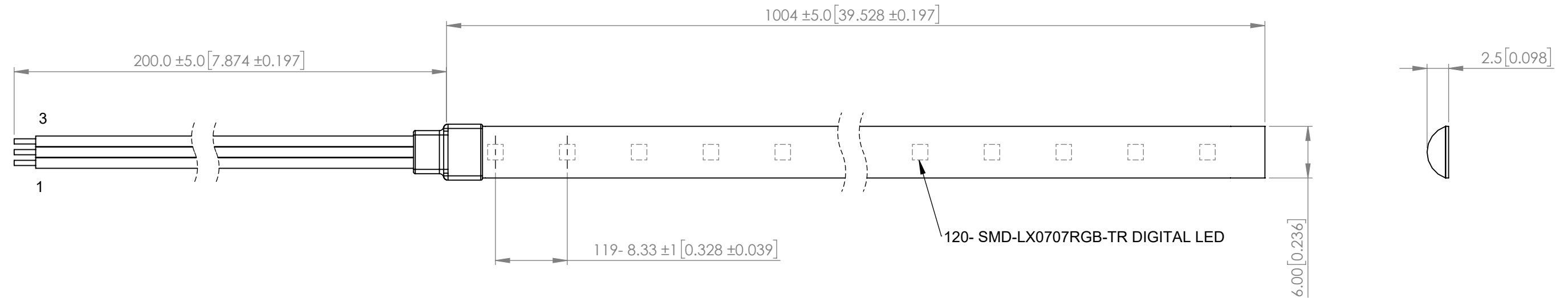


<b>PART NUMBER</b>		SMS-100006-120-G5	<b>REV</b>	A
<b>REV</b>	<b>E.C.N. NUMBER AND REVISION COMMENTS</b>			<b>DATE</b>
A	ECN-Lumex201900082			06.18.19




**ELECTRO-OPTICAL CHARACTERISTIC TA=25°C PER SMD-LX0707RGB-TR DIGITAL LED**

PARAMETER		MIN	TYP	MAX	UNITS	TEST COND
SUPPLY VOLTAGE	VDD	-	5	-	V	-
INPUT VOLTAGE(HIGH)	VIH	0.7VDD	-	VDD	V	-
INPUT VOLTAGE(LOW)	VIL	0	-	0.3VDD	V	-
PEAK WAVELENGTH	R	-	630	-	nm	If=5mA
	G	-	520	-		
	B	-	470	-		
LUMINOUS INTENSITY	R	72	-	180	mcd	If=5mA
	G	180	-	360		
	B	28.5	-	72		
VIEWING ANGLE		-	120	-	2x theta/2	If=5mA

**CABLE ASSIGNMENT**

NO.	COLOR	SYMBOL
1	RED	VDD
2	GREEN	VSS
3	BLACK	DIN

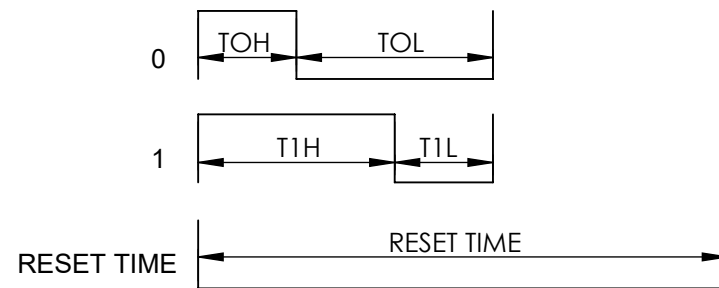
\*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), X.X=±0.5 (±0.020), X.XX=±0.25 (±0.010), X.XXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). MIN= <sup>+DECIMAL PRECISION</sup> -0.00 MAX= <sup>+0.00</sup> -DECIMAL PRECISION

 <p>425 N. GARY AVE. CAROL STREAM, IL 60188 PHONE : 800-278-5666 FAX : 630-315-2150 WEB : WWW.LUMEX.COM</p>	STRIP LED, 6(W)*1004(L)mm, WITH 120PCS SMD-LX0707RGB-TR DIGITAL LEDs, DC_5V, 9W(TYP), STRIP SURFACE IP 65.		DATE : 2019.06.18	DRAWN BY : C.S.
	**THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE.**			
	CONFIDENTIAL INFORMATION			
	THE INFORMATION CONTAINED IN THIS DOCUMENT IS THE PROPERTY OF LUMEX INC. EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY LUMEX INC., THE HOLDER OF THIS DOCUMENT SHALL KEEP ALL INFORMATION CONTAINED HEREIN CONFIDENTIAL AND SHALL PROTECT SAME IN WHOLE OR IN PART FROM DISCLOSURE AND DISSEMINATION TO ALL THIRD PARTIES.			
			SCALE : NTF	APRVD BY : G.Y.
			UNIT : mm [INCH]	(No)

**RECOMMENDED OPERATING CONDITION Ta=-20~70°C , VSS=0V**

PARAMETER		MIN	TYP	MAX	UNITS	TEST COND
PROPAGATION DELAY TIME	TPLZ	-	-	300	ns	DIN→DOUT CL=15pF, RL=10KΩ
FALLING TIME	TTHZ	-	-	20	us	CL=300pF OUTR/OUTG/OUTB
INPUT CAPACITOR	Tci	-	-	15	pf	

**TIMING WAVE FORM**



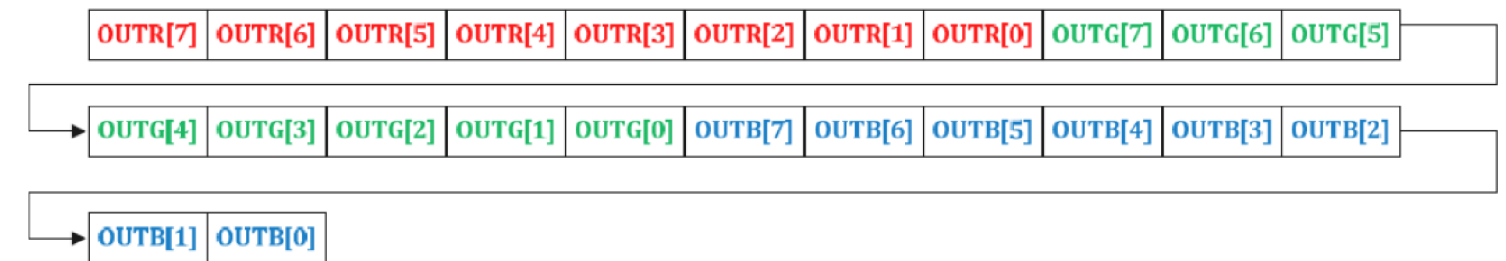
**HIGH SPEED MODE**

ITEM	DESCRIPTION	TYP.	ALLOWANCE
T0H	0 CODE, HIGH-LEVEL TIME	300ns	±80ns
T0L	0 CODE, LOW-LEVEL TIME	900ns	±80ns
T1H	1 CODE, HIGH-LEVEL TIME	900ns	±80ns
T1L	1 CODE, LOW-LEVEL TIME	300ns	±80ns
RES	RESET TIME	>50us	-

**DATA COMMUNICATION**



**SINGLE DATA IN 24BIT FOR RGB**



\*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= <sup>+0.00</sup> <sub>-0.00</sub> DECIMAL PRECISION MAX= <sup>+0.00</sup> <sub>-0.00</sub> DECIMAL PRECISION