



LEDTRONICS PART NO.	LED COLOR	Topr/ Tstg (see notes)	ABSOLUTE MAX. RATINGS Ta=25°C				ELECTRO-OPTICAL CHARACTERISTICS Ta=25°C						FIGURE
			Pd mW	Ifp mA	If mA	Vr V	If mA typ	Iv mcd min/typ	Vf typ/max	VIEW ANGLE	IrMAX µA	λ P nm	
SINGLE CHIP MICROMINIATURE SURFACE MOUNT													
SML10R6C	ULTRA RED	1/3	60	70	25	3	20	20/60	1.7/2.4	140	10	660	4
SML10R6S	ULTRA RED	1/3	60	70	30	4	20	6.0/17.0	1.7/2.0	80	100	660	3
SML10R4C	HI-EFF. RED	1/3	75	70	25	3	20	12.5/32	2.0/2.8	140	10	635	4
SML10R3	HI-EFF. RED	2/4	100	120	30	5	20	0.6/2.0	2.0/2.8	140	100	630	1
SML1005S	ORANGE	1/3	75	70	30	4	20	5.0/9.0	2.2/2.5	80	100	605	3
SML1004C	ORANGE	1/3	75	70	25	3	20	4/12.5	2.1/2.8	140	100	610	4
SML10Y3K	3Kmcd YELLOW	1/3	80	100	50	4	20	20/40	1.9/2.6	140	50	590	1
SML10Y3KC	3Kmcd YELLOW	1/3	125	100	50	4	20	20/40	1.8/2.3	90	50	590	4
SML10Y4C	YELLOW	1/3	75	70	25	3	20	12.5/20	2.1/2.8	140	10	585	4
SML10Y3	YELLOW	1/3	60	80	20	5	20	0.6/2.0	2.1/2.8	140	100	585	1
SML10LY5S	LIME YELLOW	1/3	75	70	30	4	20	6.0/12.0	2.1/2.5	80	100	570	3
SML10G4B	ULTRA GREEN	2/4	100	120	30	5	20	0.1/3.0	2.1/2.8	140	100	565	1
SML10G4C	GREEN	1/3	75	70	25	3	20	12.5/20	2.1/2.8	140	10	565	4
SML10G3	GREEN	2/4	100	120	30	5	20	0.6/2.0	2.1/2.8	140	100	565	1
SML10PG5S	PURE GREEN	1/3	75	70	30	4	20	0.9/2.3	2.1/2.5	80	100	555	3
DUAL CHIP SINGLE & BICOLOR SURFACE MOUNT													
SML12R6	ULTRA RED	1/3	100	200	40	4	20	1.1/3.5	1.8/2.4	140	100	660	2
SML12R3	HI-EFF. RED	1/3	100	120	30	5	20	0.6/2.0	2.0/2.8	140	100	635	2
SML12B3	BLUE	1/3	150	—	50	5	20	0.3/0.6	3.0/3.3	140	30	470	2
SML12RG3	HI-EFF. RED	1/3	100	120	30	5	20	0.6/2.0	2.0/2.8	140	100	635	2
	GREEN	1/3	100	120	30	5	20	0.6/2.0	2.1/2.8	140	100	565	2
Topr notes: 1.) -30°C TO +85°C 2.) -55°C TO +100°C Tstg notes: 3.) -30°C TO +90°C 4.) -55°C TO +100°C Jctn/Cath Temp. 145°C/Watt Lead Soldering Temp. 260°C max., 5 sec. 1/16" (1.6mm) from body													

Topr notes:

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2.) -55°C TO +100°C

Tstg notes:

3.) -30°C TO +90°C
4.) -55°C TO +100°C

Jctn/Cath Temp. 145°C/Watt
Lead Soldering Temp. 260°C max., 5 sec.
1/16" (1.6mm) from body

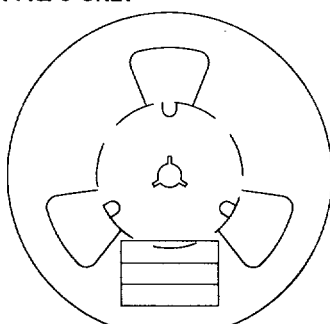
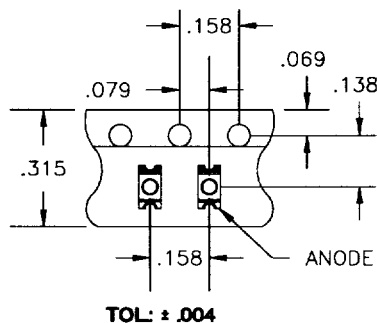
PACKAGES AVAILABLE (SOME EXAMPLES)

PATHLIGHT



TAPE AND REEL SPECIFICATIONS (EX: SML10R6S-TR)

- FOR FIG 3 ONLY -



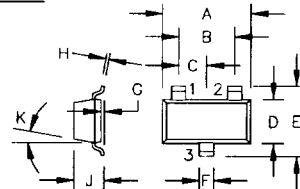
CHIP QTY. PER REEL: 2000 PCS. MIN.
VARIES BY PART NUMBER

TOLERANCES UNLESS SPECIFIED: .004

MECHANICAL SPECIFICATIONS

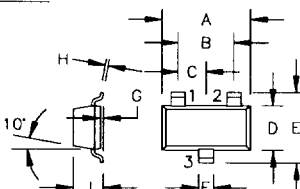
FIG	"A" (mm)	"B" (mm)	"C" (mm)	"D" (mm)	"E" (mm)	"F" (mm)	"G" (mm)	"H" (mm)	"J" (mm)
1	.118 3(mm)	.075 1.9(mm)	.037 .9(mm)	.059 1.5(mm)	.094 2.4(mm)	.019 .5(mm)	.004 .1(mm)	.004 .1(mm)	.040 1(mm)
2	.118 3(mm)	.075 1.9(mm)	.037 .9(mm)	.059 1.5(mm)	.094 2.4(mm)	.019 .5(mm)	.004 .1(mm)	.004 .1(mm)	.040 1(mm)
3	.118 3(mm)	.079 1.5(mm)	.080 2(mm)	.070 1.8(mm)	.024 .6(mm)	.063 1.6(mm)	.063 1.6(mm)	.052 1.3(mm)	—
4	.118 3(mm)	.079 2(mm)	.060 1.5(mm)	.079 2(mm)	.020 .5(mm)	.040 1(mm)	.012 .3(mm)	.032 .8(mm)	.063 1.6(mm)

FIG. 1



PIN NO: 1 = N.C.
2 = ANODE
3 = CATHODE

FIG. 2



SML12R6

PIN NO: 1 = ANODE
2 = ANODE
3 = CATHODE

SML12R3

SML12B3

PIN NO: 1 = CATHODE
2 = CATHODE
3 = ANODE

SML12RG3

PIN NO: 1 = RED CATHODE
2 = GREEN CATHODE
3 = ANODE

FIG. 3

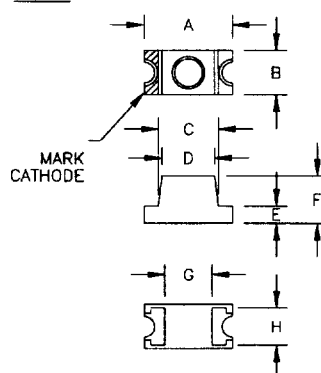


FIG. 4

