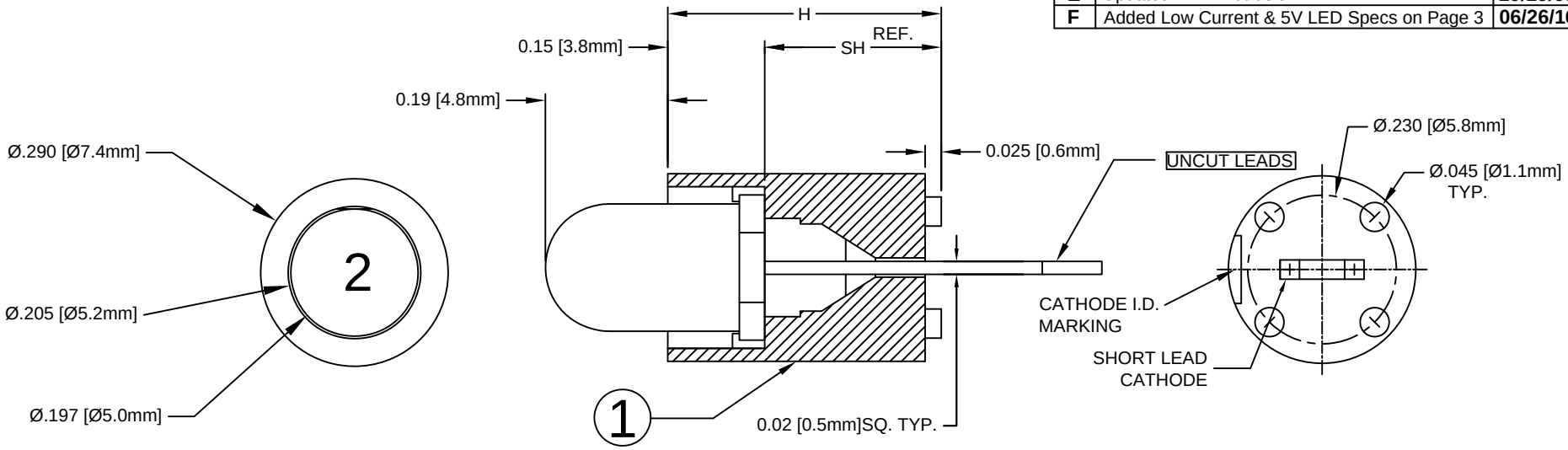
ITEM	Q'TY	PART NUMBER	PART DESCRIPTION
1	1	SLM-XXX	Molded Self-Retaining LED Mount
2	1	5XX-F	T1 ¾ (5mm) Flanged LED, See Page 2 & 3

REV.	DESCRIPTION	DATE	APPROVED
B	Updated Uncut Leads	06/06/08	M. C.
C	Updated Uncut Leads Note	12/24/08	T. Y.
D	Updated P/N's on Page 2	09/16/09	T. Y.
E	Updated LED Protrusion	10/19/09	T. Y.
F	Added Low Current & 5V LED Specs on Page 3	06/26/16	J. C.



PART NO.	SH (Ref.)	H
SLM-140	.140 (3.6mm)	.285 (7.1mm)
SLM-150	.150 (3.8mm)	.295 (7.2mm)
SLM-160	.160 (4.1mm)	.305 (7.7mm)
SLM-170	.170 (4.3mm)	.315 (8.0mm)
SLM-180	.180 (4.6mm)	.325 (8.3mm)
SLM-190	.190 (4.8mm)	.335 (8.5mm)
SLM-200	.200 (5.1mm)	.345 (8.8mm)
SLM-210	.210 (5.3mm)	.355 (9.0mm)
SLM-220	.220 (5.6mm)	.365 (9.3mm)
SLM-230	.230 (5.8mm)	.375 (9.5mm)
SLM-240	.240 (6.1mm)	.385 (9.8mm)
SLM-250	.250 (6.4mm)	.395 (10.0mm)
SLM-260	.260 (6.6mm)	.405 (10.3mm)
SLM-270	.270 (6.9mm)	.415 (10.5mm)

PART NO.	SH (Ref.)	H
SLM-280	.280 (7.1mm)	.425 (10.8mm)
SLM-290	.290 (7.4mm)	.435 (11.0mm)
SLM-300	.300 (7.6mm)	.445 (11.3mm)
SLM-310	.310 (7.9mm)	.455 (11.6mm)
SLM-320	.320 (8.1mm)	.465 (11.8mm)
SLM-330	.330 (8.4mm)	.475 (12.1mm)
SLM-340	.340 (8.6mm)	.485 (12.3mm)
SLM-350	.350 (8.9mm)	.495 (12.6mm)
SLM-360	.360 (9.1mm)	.505 (12.8mm)
SLM-370	.370 (9.4mm)	.515 (13.1mm)
SLM-380	.380 (9.7mm)	.525 (13.3mm)
SLM-390	.390 (9.9mm)	.535 (13.6mm)
SLM-400	.400 (10.2mm)	.545 (13.8mm)
SLM-410	.410 (10.4mm)	.555 (14.1mm)

PART NO.	SH (Ref.)	H
SLM-420	.420 (10.7mm)	.565 (14.3mm)
SLM-430	.430 (10.9mm)	.575 (14.6mm)
SLM-440	.440 (11.2mm)	.585 (14.9mm)
SLM-450	.450 (11.4mm)	.595 (15.1mm)
SLM-470	.470 (11.9mm)	.615 (15.6mm)
SLM-490	.490 (12.4mm)	.635 (16.1mm)
SLM-510	.510 (13.0mm)	.655 (16.6mm)
SLM-530	.530 (13.5mm)	.675 (17.1mm)
SLM-550	.550 (13.8mm)	.695 (17.5mm)
SLM-570	.570 (14.5mm)	.715 (18.2mm)
SLM-590	.590 (15.0mm)	.735 (18.6mm)
SLM-610	.610 (15.5mm)	.755 (19.2mm)
SLM-630	.630 (16.0mm)	.775 (19.7mm)
SLM-650	.650 (16.5mm)	.795 (20.2mm)

PART NO.	SH (Ref.)	H
SLM-670	.670 (17.0mm)	.815 (20.7mm)
SLM-690	.690 (17.5mm)	.835 (21.2mm)
SLM-710	.710 (18.0mm)	.855 (21.7mm)
SLM-730	.730 (18.5mm)	.875 (22.2mm)
SLM-750	.750 (19.1mm)	.895 (22.7mm)
SLM-770	.770 (19.6mm)	.915 (23.2mm)
SLM-790	.790 (20.1mm)	.935 (23.7mm)
SLM-810	.810 (20.6mm)	.955 (24.3mm)
SLM-830	.830 (21.1mm)	.975 (24.8mm)
SLM-850	.850 (21.6mm)	.995 (25.3mm)
SLM-870	.870 (22.1mm)	1.015 (25.8mm)
SLM-890	.890 (22.6mm)	1.035 (26.3mm)

ABSOLUTE MAXIMUM RATINGS (Ta = 25°C)

REVERSE VOLTAGE	5V
REVERSE CURRENT (VR=5V)	100µA
OPERATING TEMPERATURE RANGE	-25°C ~ 85°C
STORAGE TEMPERATURE	-30°C ~ 100°C
LEAD SOLDERING TEMPERATURE (1/16" FROM BODY)	260°C for 5 Seconds

STANDARD TOLERANCE
(UNLESS OTHERWISE SPECIFIED)

DECIMALS		ANGULAR	
.X	± .1	X°	± 1°
.XX	± .02		
.XXX	± .010		

BIVAR®
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TITLE: MOLDED, SELF-RETAINING T-1 3/4 (5mm) LED MOUNT ASSEMBLY

DESIGNED:	DATE:	PART NO:	REVISION:
D. Beckman	06/14/07	SLMXXX5XXX	F
CHECKED: T. Yin	DATE: 06/14/07	CAGE CODE : 32559	SHEET # 1 OF 3

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REV.	DESCRIPTION	DATE	APPROVED
	SEE SHEET #1		

Assy Part No.	Chip			Lens Appearance	Electro-Optical Data			Viewing Angle 2 Θ ½ (Deg)	LED Part No.
	Material	Peak Wave Length λp(nm)	Emitted Color		Vf (V)		Iv (mcd)		
					TYP	MAX	TYP		
STANDARD					**Data @ 20mA**				
SLMXXX5BWC	GaN/SiC	430	BLUE	WATER CLEAR	4.0	4.5	30	25	5BWC-F
SLMXXX5BWD	GaN/SiC	430	BLUE	DIFFUSED	4.0	4.5	15	40	5BWD-F
SLMXXX5BWT	GaN/SiC	430	BLUE	TINTED	4.0	4.5	30	25	5BWT-F
SLMXXX5PGC	GaP/GaP	555	PURE GREEN	WATER CLEAR	2.2	2.8	10	35	5PGC-F
SLMXXX5PGD	GaP/GaP	555	PURE GREEN	DIFFUSED	2.2	2.8	10	40	5PGD-F
SLMXXX5PGT	GaP/GaP	555	PURE GREEN	TINTED	2.2	2.8	10	35	5PGT-F
SLMXXX5GC	GaP/GaP	568	GREEN	WATER CLEAR	2.1	2.8	40	35	5GC-F
SLMXXX5GD	GaP/GaP	568	GREEN	DIFFUSED	2.1	2.8	25	40	5GD-F
SLMXXX5GT	GaP/GaP	568	GREEN	TINTED	2.1	2.8	40	35	5GT-F
SLMXXX5YC	GaAsP/GaP	590	YELLOW	WATER CLEAR	2.0	2.8	40	35	5YC-F
SLMXXX5YD	GaAsP/GaP	590	YELLOW	DIFFUSED	2.0	2.8	25	40	5YD-F
SLMXXX5YT	GaAsP/GaP	590	YELLOW	TINTED	2.0	2.8	40	35	5YT-F
SLMXXX5HC	GaAsP/GaP	625	HE RED	WATER CLEAR	2.0	2.8	50	35	5HC-F
SLMXXX5HD	GaAsP/GaP	625	HE RED	DIFFUSED	2.0	2.8	40	40	5HD-F
SLMXXX5HT	GaAsP/GaP	625	HE RED	TINTED	2.0	2.8	50	35	5HT-F
SLMXXX5RC	GaP/GaP	700	RED	WATER CLEAR	2.1	2.8	2	35	5RC-F
SLMXXX5RD	GaP/GaP	700	RED	DIFFUSED	2.1	2.8	1.5	40	5RD-F
SLMXXX5RT	GaP/GaP	700	RED	TINTED	2.1	2.8	2	35	5RT-F

STANDARD TOLERANCE
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TITLE: MOLDED, SELF-RETAINING T-1 3/4 (5mm) LED MOUNT ASSEMBLY

DESIGNED:	DATE:	PART NO:	REVISION:
D. Beckman	06/14/07	SLMXXX5XXX	F
CHECKED: T. Yin	DATE: 06/14/07	CAGE CODE : 32559	SHEET # 2 OF 3

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REV.	DESCRIPTION	DATE	APPROVED
	SEE SHEET #1		

Assy Part No.	Chip			Lens Appearance	Electro-Optical Data			Viewing Angle 2 θ ½ (Deg)	LED Part No.
	Material	Peak Wave Length λp(nm)	Emitted Color		Vf (V)		Iv (mcd)		
					TYP	MAX	TYP		
LOW CURRENT					**Data @ 2mA**				
SLMXXX5BWDL	GaN/SiC	430	BLUE	DIFFUSED	3.8	4.2	4	40	5BWDL-F
SLMXXX5GDL	GaP/GaP	568	GREEN	DIFFUSED	2.1	2.6	4	40	5GDL-F
SLMXXX5YDL	GaAsP/GaP	590	YELLOW	DIFFUSED	2.0	2.6	4	40	5YDL-F
SLMXXX5ADL	GaAsP/GaP	605	AMBER	DIFFUSED	2.0	2.6	4	40	5ADL-F
SLMXXX5HDL	GaAsP/GaP	625	HE RED	DIFFUSED	2.0	2.6	5	40	5HDL-F
SLMXXX5SRDL	GaAlAs/GaAs	645	RED	DIFFUSED	1.7	2.3	6	40	5SRDL-F

Assy Part No.	Chip			Lens Appearance	Electro-Optical Data			Viewing Angle 2 θ ½ (Deg)	LED Part No.
	Material	Peak Wave Length λp(nm)	Emitted Color		Vf (V)		Iv (mcd)		
					TYP	MAX	TYP		
5 VOLT					**Data @ 5V**				
SLMXXX5BWD5V	GaN/SiC	430	BLUE	DIFFUSED	-	5.0	15	40	5BWD5V-F
SLMXXX5GD5V	GaP/GaP	568	GREEN	DIFFUSED	-	5.0	25	40	5GD5V-F
SLMXXX5YD5V	GaAsP/GaP	590	YELLOW	DIFFUSED	-	5.0	25	40	5YD5V-F
SLMXXX5AD5V	GaAsP/GaP	605	AMBER	DIFFUSED	-	5.0	25	40	5AD5V-F
SLMXXX5HD5V	GaAsP/GaP	625	HE RED	DIFFUSED	-	5.0	30	40	5HD5V-F
SLMXXX5RD5V	GaP/GaP	700	RED	DIFFUSED	-	5.0	1.5	40	5RD5V-F

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TITLE: MOLDED, SELF-RETAINING T-1 3/4 (5mm) LED MOUNT ASSEMBLY

DESIGNED:	DATE:	PART NO:	REVISION:
D. Beckman	06/14/07	SLMXXX5XXX	F
CHECKED: T. Yin	DATE: 06/14/07	CAGE CODE : 32559	SHEET # 3 OF 3

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