	NS OF USE ARE BEYOND OUR CONTROL, THE IALL DETERMINE THE SUITABILITY OF THE PRODUCT INTENDED USE AND ASSUME ALL RISK AND	(TT)	4						2.7	-					
XXXX 22	FOR REFERENCE XXXX 24-09-08	CHECKED BY: 22	NOTES: 1. All dimensio 2. Tolerance					2		<u>LED</u> 7	Package Outlines	VG XXXX XXXX	XX XX	WHETHER IN WHOLE OR IN PART CAN BE REPRODUCED DCP # REV	RESERVED. NO PORTION OF THIS PUBLICATION,
9-08 SCALE: NTS	A	DATE: SIZE DVG. NO.	are in milli e±0.1mm(0.004	Emitted color	Dice	Printed circit board	Lens color	Bonding Wire	Resin (mold)	ITEM	Recommende		XXXX	DESCRIPTION	REVISIONS
U,D,M, INCHES [mm]	MC24159	Multi Color	ches); ss otherwise noted.	Green	GaInN∕SiC	BT (white)	Water clear	ø25µm Au	Epoxy	MATERIALS		24-09-08	24-09-08	DRAWN DATE CH	DDC, ND, SPC-F005 *
SHEET: 1 OF 1	954 XX	LED	Compliant com electronic compo	ments of	stribut	OF							XXXX 24-09-08 XXXX 24-09-08	CHECKD DATE APPRVI DATE	Effective: 7/8/02 # DCP No: 1398

		-	-									
	,DVG		Ê				XXXX	22-09-08 XXXX 22-09-08 XXXX	XXXX	80-60-22		80-60-22
	Absolute Maximum Ra	Ratings			G	(TA=25°C)						
	Parameter	Symbol	nbol	Value		Unit						
	Forward current	If		а		₽Ă						
	Revense voltage	< <u>~</u>	7	σ		<						
	Power dissipation	Pd	~	72		ΜW						
	Dperating temperature range	Тор	Ŭ	-20~+80		ŗ						
	Storage temperature range	Tstg	61	-20~+80		°C						
	Peak pulsing current (1/8 duty	y f=1kHz) Ifp	σ	125		ΜA						
	Electro-optical Characteristics	cteristics			ſ	(TA=25°C)						
	Parameter	Test Sy Condition	Symbol N	Value Min Typ	Max	Unit						
	Wavelength at peak emission	If=20mA)peak '	465 470	475	ηn						
	Forward voltage	If=20mA	<f< td=""><td>3.5</td><td>4.0</td><td><</td><td></td><td></td><td></td><td></td><td></td><td></td></f<>	3.5	4.0	<						
	Luminous intensity *	*1 If=20mA I	Iv -	150	ł	mcd						
	Wavelength at domain emission	If=20mA	λd -	470	-	nm						
	Viewing angle at 50% Iv	If=10mA 2	- 2/102	120	1	Deg						
	Reverse current	Vr=5V I	Ir -		10	Ąuļ						
	* 1 Note: Luminous inte	intensity tolerance	N	are ±10%	22				<i>c</i> 20		RoHS Compliant	ant
	TOLERANCES: DRAWN BY:		DATE: I	DRAWING	TITLE							
	Ř	0-22	ω				Multi	lti Color	or LED	U		
	CHECKED	BY: DA	DATE: S	SIZE DWG.	G. ND.				ELECTE	ELECTRONIC FILE	- ILE	REV
CONDITIONS OF USE ARE BEFORD OUR CONTROL, THE USER SHALL DETERMINE THE SUITABILITY OF THE PRODUCT FOR THE INTENDED USE AND ASSUME ALL RISK AND	FOR REFERENCE		80-60-22	A		MC24159	59			02P5954	54	××
		AT 3, 1, 8, 1, 8, 1, 8, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,		SCALE	NTS		U.I.M.: INCHES			SHEE T:	<u> </u>	
	XXXX	22-0	80-60-22		4					SHEEIT	L	

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DESCRIPTION XXXX

DRAWN

DATE

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DATE

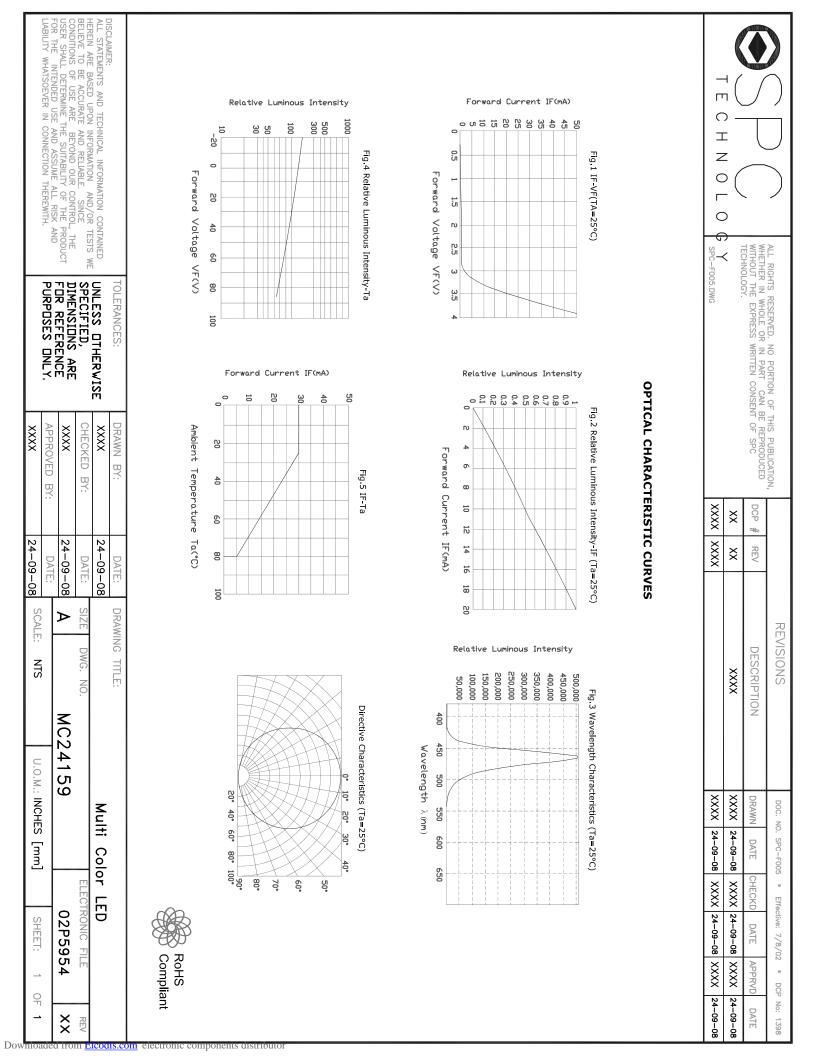
APPRVI

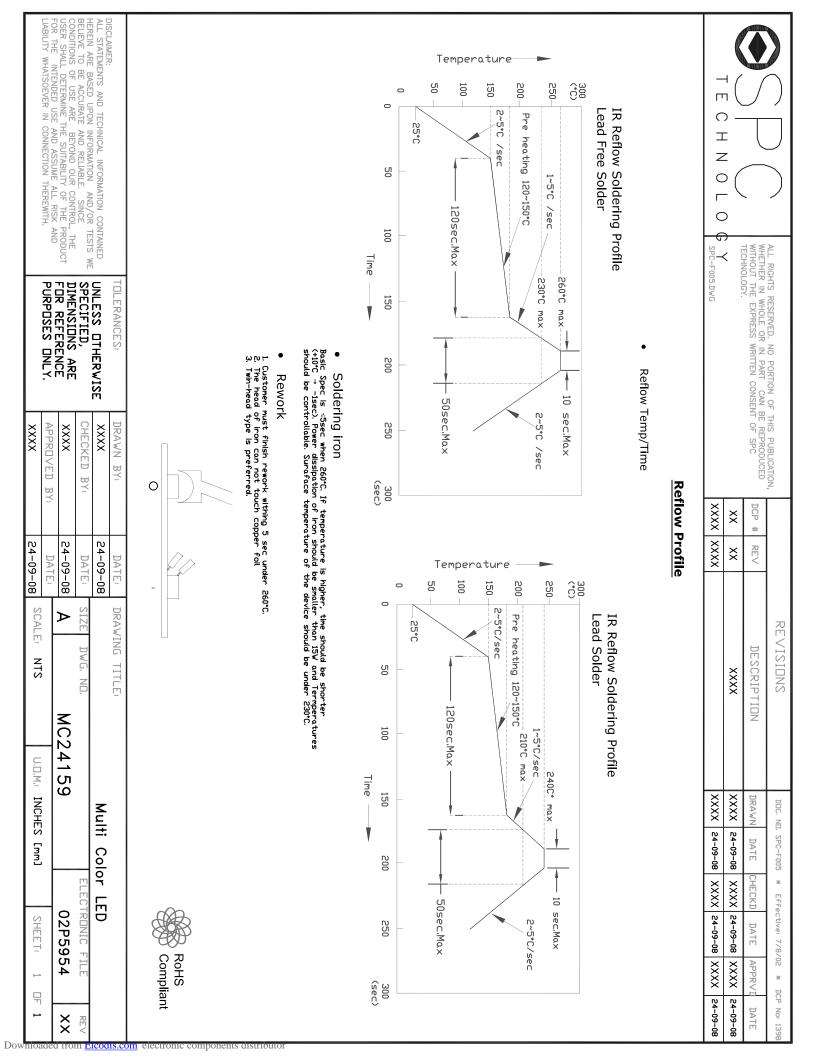
DOC, ND, SPC-F005 ** Effective: 7/8/02 **

DCP No: 1398 DATE

XXXX 22-09-08 XXXX 22-09-08 XXXX 22-09-08

REVISIONS





		m	() (ωωω			р. V.	2.1	-			Handlin			■ Test		z 		
	SPECIFIED, DIMENSIONS FOR REFERENCE		When you discover that . Should treat them in the	3.1 60 \pm 3°C x(12-24hrs) and <5%RH, 3.2 100 \pm 3°C x(45min-1hr), bulk type 3.3 130 \pm 3°C x(15-30min), bulk type	s recommended Conditions are		Shelf life in sealed bag the products should be zip-lock sealed.	It is recommended to st Humidity: 60% R.H. Max. Temperature: 5°C~30°C (4		Customer must apply resistor for pro- current change (Burn out will happen).	Over-current-proof	Handling Precautions			Test Circuit	05.DWG		WHETHER IN WHOLE OR IN PART CAN BE REPRODUCED WITHOUT THE EXPRESS WRITTEN CONSENT OF SPC	HTS RESERVED. NO PORTION OF THI
XXXX XXXX			that the desiccant in in the same conditions	taped	to baking before soldering as followings:		sealed bag: 12 month at <5 should be used within a w ed.	store the products (41°F~86°F)		tor for protect will happen).			Ŭ			xxxx	XX	NF SPC DCP #	S PUBLICATION,
22-09-08 SCALE	DATE: SIZE		the package has as (3.1~3.3)	reel type	when the		<5°C~30°C and <30% week or they sho	in the fo		for protection; otherwise sl happen).							xx	# REV	π
NTS	DWG, ND,	N	,s a pink color (normal=blue), you		pack is unsealed after 72hrs.		<30% R.H. after the pac should be keeping to	llowing conditions:		slight voltage shift will cause big				×			хххх	DESCRIPTION	REVISIONS
U.D.M.: INCHES [mm]	MC24159	Multi-Color	·mal=blue), you		ter 72hrs,		package is □pened, to stored at ≦20 R.H. with			will cause big						80-60-22 XXXX	80-60-22 XXXX	DRAWN DATE	DOC. NO. SPC-F005
] SHEET:	ELECTRONIC FILE	LED	Comp	3			. with									XXXX 80-60-22 XXXX 80	80-60-22 XXXX	CHECKD DATE	05 * Effective: 7/8/02
1 T 1 Downloadd	X X X		Compliant m electronic	compone	nts distrit	outor										80-60-22 XXX	80-60-22 XXXX	APPRVI DATE	* DCP No: 1398

