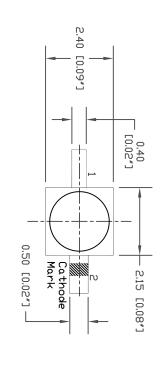
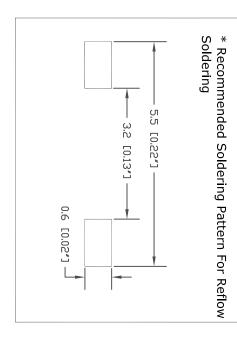


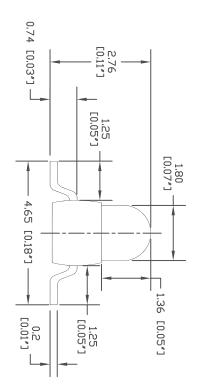
ALL RIGHTS RESERVED. NO PORTION OF THIS PUBLICATION WHETHER IN WHOLE OR IN PART CAN BE REPRODUCED WITHOUT THE EXPRESS WRITTEN CONSENT OF SPC TECHNOLOGY.

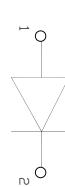
ĬON,			KE VIVIENV	DOC. NO	DBC, NB, SPC-F005 * Effective: 7/8/02 * DCP No: 1398	* Effe	ctive: 7/8/	02 # I)CP No: 1398
Ö	DCP #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	CHECKD DATE APPRVI	APPRV:	DATE
	XX	×	xxxx	XXXX	XXXX 22-09-08 XXXX 22-09-08 XXXX 2-09-08	XXXX	22-09-08	XXXX	22-09-08
	xxxx xxxx	XXX		XXXX	XXXX 22-09-08 XXXX 22-09-08 XXXX 22-09-08	XXXX	22-09-08	XXXX	22-09-08

Package Outlines









Emitted color	Dice	Lens color	Bonding Wire	Resin (mold)	ITEM	
Blue	InGaN/SiC	Water Clear	ø25µmAu	Epoxy	MATERIALS	_



NOTES:

- All dimensions are in millimeters (inches);
 Tolerances are ±0.1mm (0.04inch) unless otherwise noted.

_	
	LIABILITY WHATSOEVER IN CONNECTION THEREWITH.
	FOR THE INTENDED USE AND ASSUME ALL RISK AND
	USER SHALL DETERMINE THE SUITABILITY OF THE PRODUCT
	CONDITIONS OF USE ARE BEYOND OUR CONTROL, THE
	BELIEVE TO BE ACCURATE AND RELIABLE. SINCE
	HEREIN ARE BASED UPON INFORMATION AND/OR TESTS WE
	ALL STATEMENTS AND TECHNICAL INFORMATION CONTAINED
	DISCLAIMER:

	VITH.	ISK AND	TROL, THE	NCE IESIS WE	CONTAINED	
	PURPOSES ONLY.		TOD DEFERENCE ARE	SPECIFIED,	UNLESS OTHERWISE	TOLERANCES:
XXXX	APPROVED BY:		XXXX	CHECKED BY:	XXXX	DRAWN BY:
22-09-08	DAIL:	1	22-09-08	DATE:	22-09-08	DATE:
22-09-08 SCALE: NTS			A MC2	SIZE DWG, NO.		DRAWING TITLE:
U.O.M.: INCHES [mm]		-	MC24132	ELE	Multi Color LED	
SHEET: 1 OF			02P5935	CTRONIC FILE	LED	
_			$\stackrel{-}{\sim}$	RE		

X REV Downi



ALL RIGHTS RESERVED. NO PORTION OF THIS PUBLICATION, WHETHER IN WHOLE OR IN PART CAN BE REPRODUCED WITHOUT THE EXPRESS WRITTEN CONSENT OF SPC TECHNOLOGY.

24-09-08	×××	24-09-08	×××	XXXX 24-09-08 XXXX 24-09-08 XXXX 24-09-08	×××	Ŷ	×	×××× ××××	
24-09-08	XXXX	24-09-08	XXXX	XXXX 24-09-08 XXXX 24-09-08 XXXX 24-09-08	XXXX	××××	×	×	
DATE	APPRVI	DATE CHECKD DATE	CHECKD	DATE	DRAWN	V DESCRIPTION	REV	DCP #	
P No: 1398	02 # DC	ctive: 7/8/	* Effe	DIC. NI. SPC-F005 * Effective: 7/8/02 * DCP No: 1398	DOC. NO	REVISIONS			-

Absolute Maximum Ratings

 $(TA=25^{\circ}C)$

Parameter	Symbol	Value	Unit
Power dissipation	Pd	120	mΨ
Forward current	If	30	mΑ
Reverse voltage	Ś	и	<
Operating temperature range	Тор	-20~+80	°C
Storage temperature range	Tstg	-20~+80	°C
Peak pulsing current (1/8 duty f=1kHz)	Ifp	125	۳A
Lead Soldering Temperature	Tsol	260°C For 5 SEC (5mm[0.20°] from	(5mm[0.20"] from
		body	

Electro-optical Characteristics

(TA=25°C)

Α̈́	10	1		Ir	Vr=5V	Reverse current
deg	-	20		201/2	If=10mA	Viewing angle at 50% Iv
mCd	1	300	-	Ιν	*1 If=20mA	Luminous intensity *1
<	4.0	3.5	-	Vf	If=20mA	Forward voltage
3	-	505		λdom	If=20mA	Dominant wavelength
3	-	34		$\Delta \lambda$	If=20mA	Spectral half bandwidth
nm	515	505	500	λpeak	If=20mA	Wavelength at peak emission
Unit	Max	Тур	Min	Эүшрөг	Condition	Parameter
;		Value		Symbol	Test	

* 1 Note: Luminous intensity tolerances are ±10%

TOLERANCES:

RoHS Compliant

ALL STATEMENTS AND TECHNICAL INFORMATION CONTAINED HEREIN ARE BASED UPON INFORMATION AND/OR TESTS WE BELIEVE TO BE ACCURATE AND RELIABLE. SINCE CONDITIONS OF USE ARE BEYOND OUR CONTROL, THE USER SHALL DETERMINE THE SUITABLITY OF THE PRODUCT FOR THE INTENDED USE AND ASSUME ALL RISK AND LABILITY WHATSOEVER IN CONNECTION THEREWITH. DISCLAIMER:

ᆫ		_		П	1	
	PURPOSES ONLY.	- בי זרי ריירי	DIMENSIONS ARE	SPECIFIED,	UNLESS OTHERWISE	- LLEKANCEV:
XXXX	APPRIVED BY:		XXXX	CHECKED BY:	XXXX	DRAWN BY:
24-09-08	JAIE:) H	24-09-08 A	DATE:	24-09-08	JAIE:
24-09-08 SCALE: NTS				SIZE DWG, NO.		DAIE: DRAWING IIILE:
U.O.M.: INCHES [mm]		1	MC24132	ריו	Multi Color	
SHEET: 1 OF			02P5935	LECTRONIC FILE	· LED	
			×	REV		

Downloaded from Elcodis



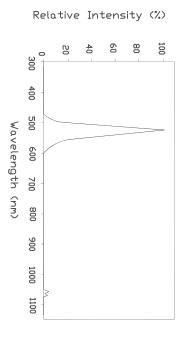
ALL RIGHTS RESERVED. NO PORTION OF THIS PUBLICATION, WHETHER IN WHOLE OR IN PART CAN BE REPRODUCED WITHOUT THE EXPRESS WRITTEN CONSENT OF SPC TECHNOLOGY.

DCP # × × REV DESCRIPTION ××× DRAWN DATE

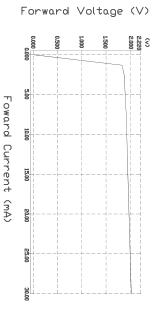
×××× ×××× REVISIONS XXXX | 22-09-08 | XXXX | 22-09-08 | XXXX | 22-09-08 XXXX 22-09-08 XXXX 22-09-08 XXXX 22-09-08 DOC. NO. SPC-F005 * Effective: 7/8/02 * DCP No: 1398 CHECKD DATE APPRVD DATE

OPTICAL CHARACTERISTIC CURVES

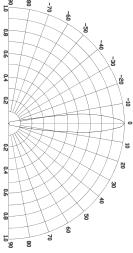
Relative Intensity vs. Wavelength



Forward Current vs. Forward Voltage



Directive Characteristics



Compliant	RoHS

Ξ	LIABILITY WHATSOEVER IN CONNECTION THEREWITH.	_
	OR THE INTENDED USE AND ASSUME ALL RISK AND	n
_	ISER SHALL DETERMINE THE SUITABILITY OF THE PRODUCT	_
_	CONDITIONS OF USE ARE BEYOND OUR CONTROL, THE	0
-	SELIEVE TO BE ACCURATE AND RELIABLE. SINCE	Ш
_	HEREIN ARE BASED UPON INFORMATION AND/OR TESTS WE	I
=	DISCLAIMER: ALL STATEMENTS AND TECHNICAL INFORMATION CONTAINED	> D

<u></u>	SHEET: 1 OF	MC 24 1 3 Z	NTS	SCALE	DATE: SCALE:	APPROVED BY:	FOR REFERENCE PURPOSES ONLY,
< REV	CONC FILE	7 1 7 O	DWG. NO.	SIVE	33 00 00	0 61:	DIMENSIONS ARE
	ED I	Multi Color Li			22-09-08	XXXX	UNLESS OTHERWISE
	ָּיָּ ,	; ; ;	DRAWING TILE:		DAIE:	DRAWN BY:	- CLEXANCEV:



ALL RIGHTS RESERVED, NO PORTION OF THIS PUBLICATION, WHETHER IN WHOLE OR IN PART CAN BE REPRODUCED WITHOUT THE EXPRESS WRITTEN CONSENT OF SPC TECHNOLOGY.

XXXX XXXX

DCP # × REV × REVISIONS DESCRIPTION ××× XXXX | 22-09-08 | XXXX | 22-09-08 | XXXX | 22-09-08 DRAWN DOC. NO. SPC-F005 * Effective: 7/8/02 * DCP No: 1398 DATE CHECKD DATE APPRVD

DATE

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

LED H	

■ Test Circuit

Handling Precautions

Over-current-proof

Customer must apply resistor for protection; otherwise slight voltage shift will cause big current change (Burn out will happen).

Storage

2.1 It is recommended to store the products in the following conditions: Humidity: 60% R.H. Max.

Temperature: 5°C~30°C (41°F~86°F)

2.2 Shelf life in sealed bag: 12 month at <5℃-30℃ and <30℃ R.H. after the package is □pened, the products should be used within a week or they should be keeping to stored at ≦20 R.H. with zip-lock sealed.</p>

Baking

It is recommended to baking before soldering when the pack is unsealed after 72hrs. The Conditions are as followings:

3.1 60 ± 3 °C x(12~24hrs) and <5%RH, taped reel type 3.2 100 ± 3 °C x(45min~1hr), bulk type 3.3 130 ± 3 °C x(15~30min), bulk type

When you discover that the desiccant in the package has a pink color (normal=blue), you Should treat them in the same conditions as (3.1 - 3.3)

RoHS Compliant

ALL STATEMENTS AND TECHNICAL INFORMATION AND HEREIN ARE BASED UPON INFORMATION AND CHARLE. SING CONDITIONS OF USE ARE BEYOND OUR CONTROL OF THE USER SHALL DETERMINE THE SUITABILITY OF THE FOR THE INTENDED USE AND ASSUME ALL RIS LABILITY WHATSOEVER IN CONNECTION THEREWIT

PURPOSES ONLY, APPROVED BY: DATE: NTS XXXX 22-09-08 SCALE: NTS		FIRE DEFENSIONS ARE XXXX 22-09-08 A	SPECIFIED, CHECKED BY: DATE: SIZE DWG. NO	UNLESS DTHERWISE XXXX 22-09-08	TOLERANCES: DRAWN BY: DATE: DRAWING TITLE:
U.O.M.: INCHES [mm]		MC24132	NO. ELEC	Multi Color LEE	
SHEET: 1		02P5935	TRONIC FILE	.ED	

× REV



ALL RIGHTS RESERVED. NO PORTION OF THIS PUBLICATION, WHETHER IN WHOLE OR IN PART CAN BE REPRODUCED WITHOUT THE EXPRESS WRITTEN CONSENT OF SPC TECHNOLOGY.

XXXX 80	22-09-08	XXXX	XXXX 80-09-08 XXXX 82-09-08 XXXX	XXXX	xxxx	×	×
APPR\	DATE	CHECKD	DATE	DRAWN	DESCRIPTION	REV	DCP #
02 **	Effective: 7/8/02	* Effe	DOC. NO. SPC-F005	DOC. NO	REVISIONS		

DCP No: 139

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

80-60-22 DATE

Packing Specifications

×××× ××××

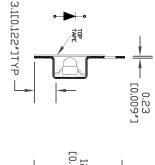
Feed Direction

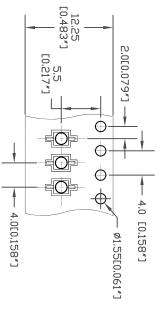
Ф

0

Ф

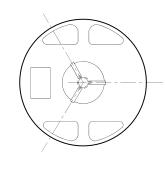
Feeding Direction

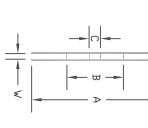






Thickn 0.1[0.00	<	n	₩	Þ	Dimer Stand All dir Millim
Thickness of top cover tape 0.1[0.004'] MAX	12.5[0.50]	13,5[0,53]	60[2,36]	180[7.09]	Dimensions per ANSI/EIA Standard RS-481 All dimensions are in Millimeters (Inches).





NOTES:

- 1 Empty component pockets are sealed with top cover tape;
 2. Minimum leader length at both ends of the tape is 450mm;
 3. The maximum number of missing lamps is two:
 4. The Cathode is oriented towards the tape sprocket hole in accordance with ANSI/EIA RS-481 specifications.
 5. 1000pcs/Reel

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE FOR REFERENCE PURPOSES ONLY. CHECKED APPROVED DRAWN ××× ××× ××× <u>π</u> ΒY ΒY 22-09-08 22-09-08 DATE: DATE: DATE DRAWING SCALE \triangleright STN TITLE MC24132 U.D.M.: INCHES [mm] Multi Color LED ELECTRONIC FILE 02P5935 SHEET:

ALL STATEMENTS AND TECHNICAL INFORMATION CONTAINED HEREIN ARE BASED UPON INFORMATION AND/OR TESTS WE BELIEVE TO BE ACCURATE AND RELIABLE. SINCE CONDITIONS OF USE ARE BEYOND OUR CONTROL, THE USER SHALL DETERMINE THE SUITABLITY OF THE PRODUCT FOR THE INTENDED USE AND ASSUME ALL RISK AND LABILITY WHATSOEVER IN CONNECTION THEREWITH.

DISCLAIMER:

"DLERANCES:

22-09-08

RoHS Compliant 무 × RE/