



PARA LIGHT ELECTRONICS CO., LTD.

4F, No.1, Lane 93, Chien Yi Road, Chung Ho City, Taipei, Taiwan, R.O.C.

Tel: 886-2-2225-3733

Fax: 886-2-2225-4800

E-mail: para@para.com.tw

<http://www.para.com.tw>

DATA SHEET

PART NO. : B-1020SR

REV : A / 1

CUSTOMER'S APPROVAL : _____

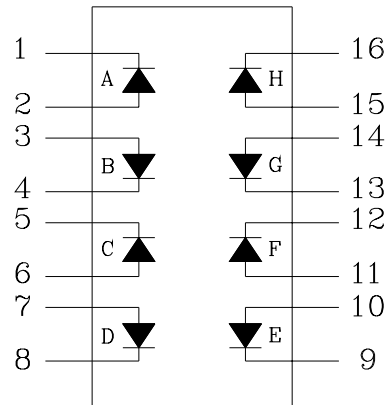
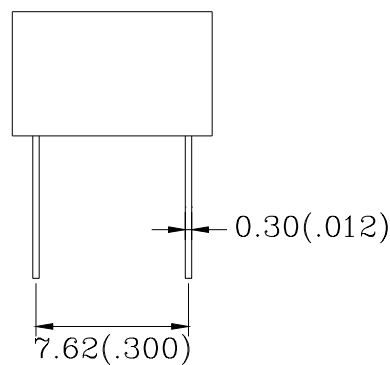
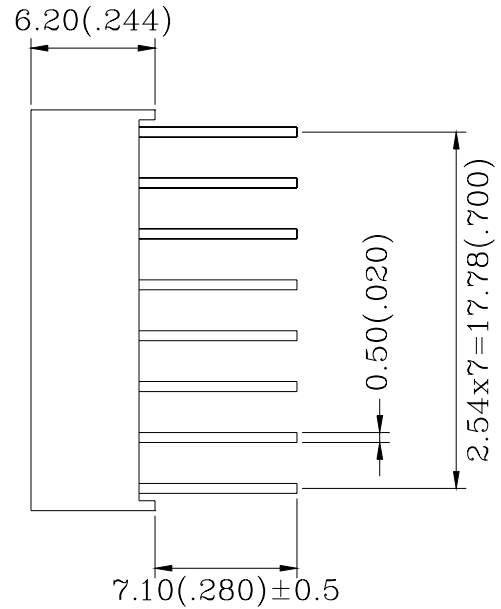
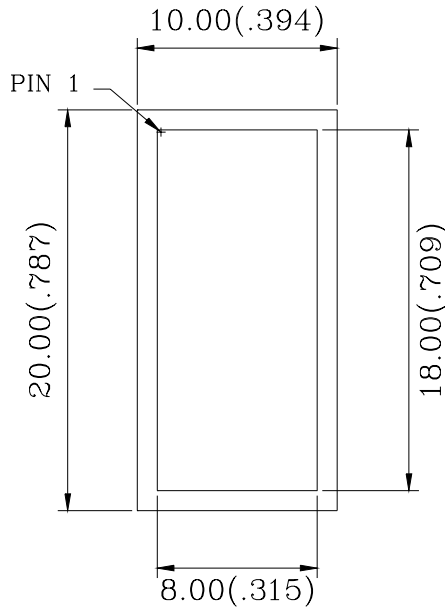
DCC : _____

DRAWING NO. : DS-17-02-0127

DATE : 2003-10-15

Page : 1

PACKAGE DIMENSIONS



NOTES : 1. All dimensions are in millimeters. (inches)
 2. Tolerance is $\pm 0.25(0.010)$ unless otherwise specified.



20 mm x 10 mm SQUARE LIGHT BAR

B-1020SR

REV:A / 1

FEATURES

- * 20mm x10mm SQUARE LIGHT BAR
- * LOW POWER REQUIREMENT
- * CAN BE USED WITH PANEL AND LEGEND MOUNT
- * SUITABLE FOR MULTIPLEX OPERATION
- * EASY MOUNTING ON P.C.B

Raw Material : GaAlAs/GaAs

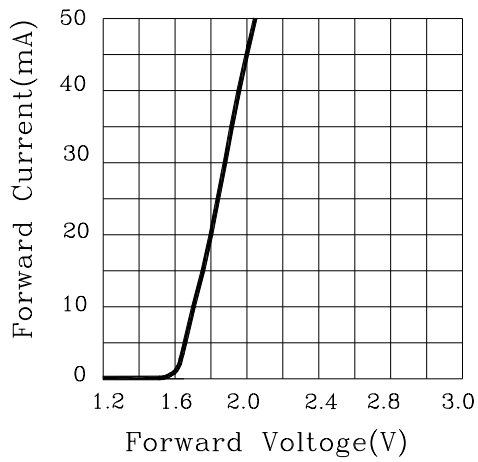
ABSOLUTE MAXIMUM RATING : (Ta = 25°C)

SYMBOL	PARAMETER	SUPER RED	UNIT
PAD	Power Dissipation Per Chip	60	mW
VR	Reverse Voltage Per Chip	5	V
IAF	Continuous Forward Current Per Chip	20	mA
—	Derating Linear From 25°C Per Chip	0.33	mA/°C
Topr	Operating Temperature Range	- 35°C to 85°C	
Tstg	Storage Temperature Range	- 35°C to 85°C	
Solder Temperature 1/16 inch Below Seating Plane for 3 Seconds at 250°C			

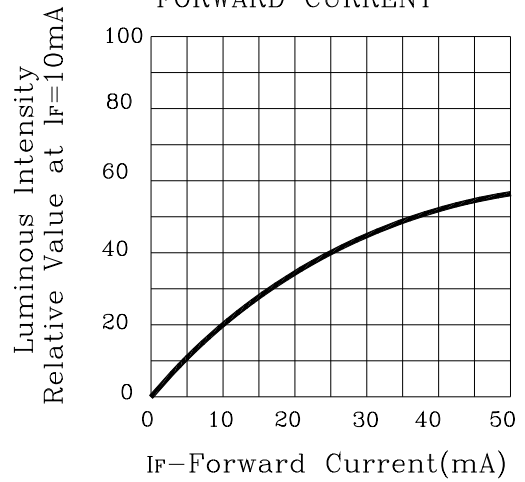
ELECTRO-OPTICAL CHARACTERISTICS : (Ta = 25°C)

SYMBOL	PARAMETER	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
VF	Forward Voltage , Per Chip	IF = 20mA		1.8	2.2	V
IR	Reverse Current , Per Chip	VR = 5V			100	µA
λP	Peak Emission Wavelength	IF = 20mA		660		nm
λD	Dominant Wavelength	IF = 20mA		643		nm
Δλ	Spectral Line Half – Width	IF = 20mA		20		nm
IV	Luminous Intensity Per Bar	IF = 10mA		20.0		mcd

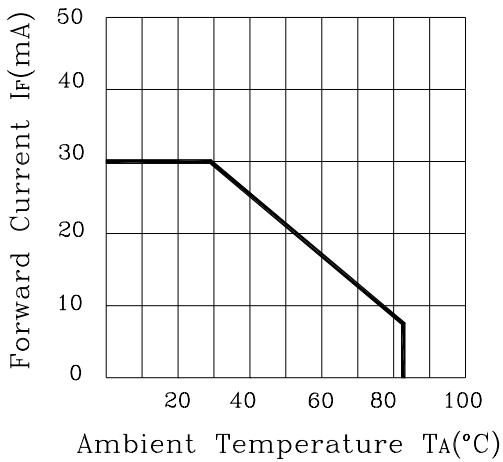
FORWARD CURRENT Vs.
FORWARD VOLTAGE



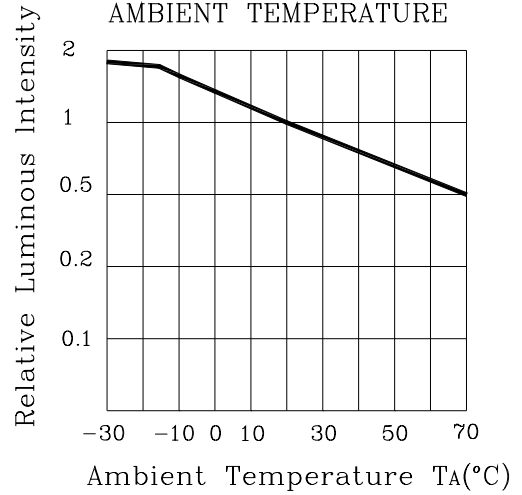
LUMINOUS INTENSITY Vs.
FORWARD CURRENT



FORWARD CURRENT
DERATING CURVE



LUMINOUS INTENSITY Vs.
AMBIENT TEMPERATURE



X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Standard LEDs - SMD category](#):

Click to view products by [Para Light manufacturer](#):

Other Similar products are found below :

[LTST-C190KYKT](#) [LTST-C19GD2WT](#) [LTW-170ZDC](#) [LTW-M140SZS40](#) [LTW-M140ZVS](#) [598-8110-100F](#) [598-8610-202F](#) [91-21SUBCS400-A6TR7](#) [AAAF5060QBFSEEZGS](#) [APT1608QGW](#) [99-213/R6C-AR2T1B/2C](#) [SML-LX0606SISUGC/A](#) [SML-LXR851SIUPGUBC](#) [LT1ED53A](#) [APFA3010SURKCGKQBDC](#) [APHK1608VGCA](#) [APT2012QGW](#) [LTST-008BGEW](#) [LTW-010DCG](#) [LTW-020ZDCG](#) [LTW-21TS5](#) [LTW-220DS5](#) [598-8330-117F](#) [65-21SYGC/S530-E3/TR8](#) [CMDA20AYAA7D1S](#) [95-21SURCS530-A3TR10](#) [598-8040-100F](#) [598-8070-100F](#) [598-8140-100F](#) [598-8610-200F](#) [SML-LXR851SGSIC-TR](#) [SML-512PWT86A](#) [EASV3015RGYA0](#) [95-21UYC-S530-A5-TR7](#) [LTST-C190KFKT-5A](#) [LTST-C194TBKT-5A](#) [CLX6E-FKC-CH1M1D1BB7C3D3](#) [SML-LXL0805USBC-TR](#) [SML-LX2835SYSUGCTR](#) [LTW-M670ZVS-M5](#) [APA2106ZGC/G](#) [CLMXB-FKA-CbcfghjnpACBB79463](#) [KPTD-2012LVVBC-D](#) [VFA1101W-5AY3B2-TR](#) [LCB P473-P2R2-3J7L-1-Z](#) [91-21VGC/S556/S68/TR10/S370](#) [LW A67C-S2U1-FK0KM0](#) [LW A673-P1S1-FK0PM0](#) [BL-HE1G033B-TRB](#) [5988B90107F](#)