

RoHS



Endicott Research Group, Inc. 2601 Wayne St., Endicott, NY 13760 607-754-9187 Fax 607-754-9255 http://www.ergpower.com





Absolute Maximum Ratings

Rating	Symbol	Value	Units
Forward Current ⁽¹⁾	۱ _۴	200	mA
Component Surface Temperature	Ts	-40 to +100	°C
Storage Temperature	Tstg	-40 to +100	°C

Maximum Recommended Operating Conditions ⁽²⁾

Rating	Symbol	Value	Units
Forward Current ⁽³⁾	۱ _۴	150	mA
Component Surface Temperature	Ts	-40 to +95	°C

Electrical Characteristics

Unless otherwise noted ${\tt I}_{\rm F}{\rm =}$ 100 mA dc and Ta = 25°C

Characteristic	Symbol	Min	Тур	Мах	Units
Number of Strings	-	-	2	-	-
LED Forward Voltage	V _F	2.8	3.0	3.4	V
String voltage	V _S	25.2	27.0	30.6	V

Specifications subject to change without notice.

(1) Current is specified per string.

- (2) Operation above maximum recommended operating conditions will require additional thermal management actions and will decrease LED lifetime.
- (3) Strings are to be driven with a current source.





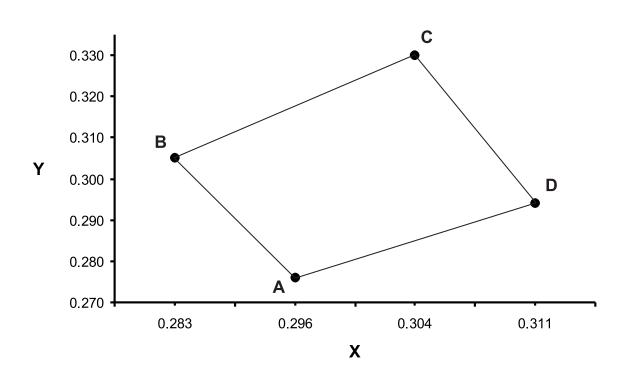
Backlight Chromaticity Coordinate Boundaries (1)

(Ta	=	25°C)
1.10		

	А	В	С	D
х	0.296	0.283	0.304	0.311
Y	0.276	0.305	0.330	0.294

(1) Each column (A, B, C and D) represents an X,Y coordinate on the CIE 1931 chromaticity diagram.

CIE 1931 CHROMATICITY DIAGRAM



Made in USA







J1 pins:

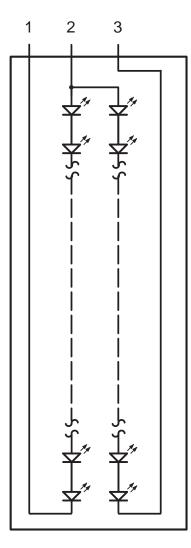


Figure 1 SFS Connectivity



Endicott Research Group, Inc. (ERG) reserves the right to make changes in circuit design and/or specifications at any time without notice. Accordingly, the reader is cautioned to verify that data sheets are current before placing orders. Information furnished by ERG is believed to be accurate and reliable. However, no responsibility is assumed by ERG for its use.