

10mm X 5000mm RGB LIGHT RIBBON

FEATURES

VOLTAGE: 24V DC
CURRENT: 3.0A
LED VIEWING ANGLE (2 θ 1/2): 100°

STANDARD PACKAGING:

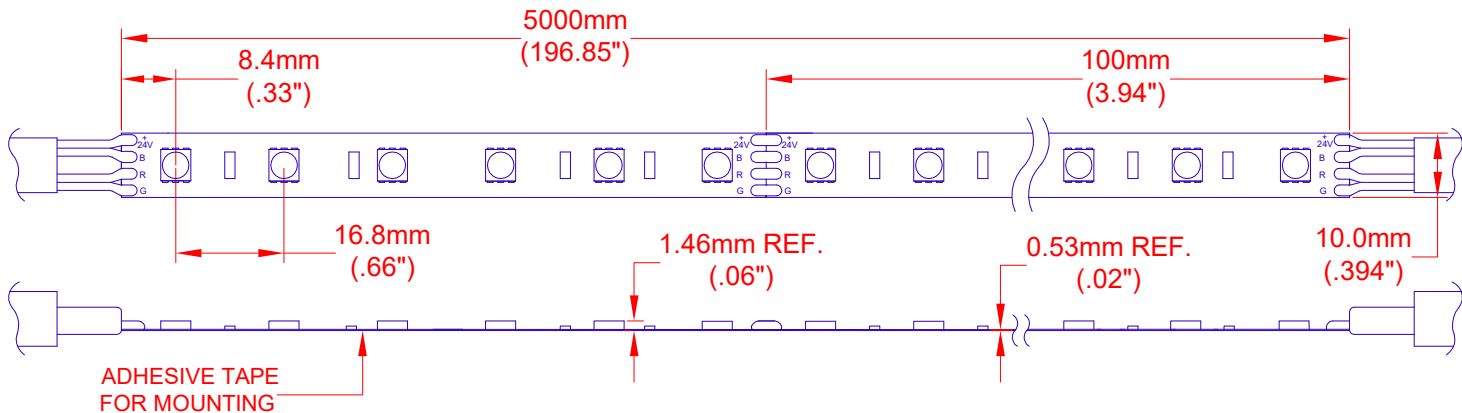
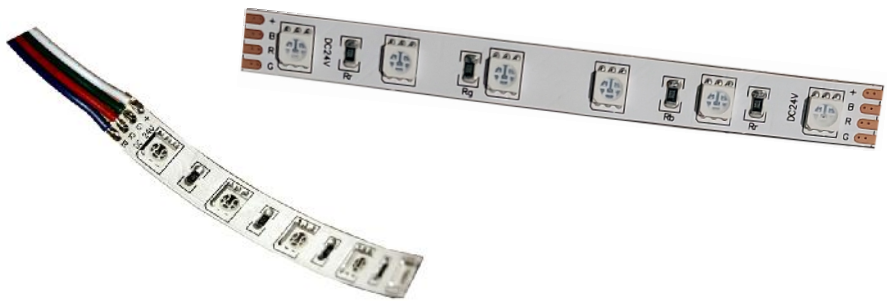
5 METER REEL (300 LED'S)

OPTIONAL PACKAGING:

INDIVIDUAL 500mm SECTIONS (30 LED'S)

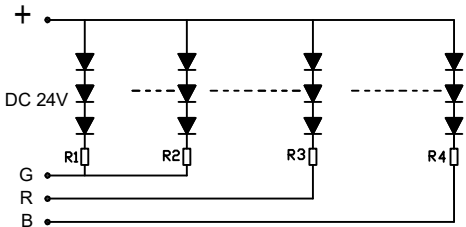
ORDER AS ZFS-105000-24RGB/SEC

Note: Individual Sections ARE NOT supplied with insulated wire connections.



Electrical/Optical Characteristics at TA = 25°C

Parameter	Symbol	Color	Condition	Min	Typ	Max	Unit
Forward Voltage DC	V _F	RGB	I _F = 3.0A	--	24	--	V
Dominant Wavelength	λ D	R	I _F = 1.0A	618	630	--	nm
		G	I _F = 1.0A	515	524	--	
		B	I _F = 1.0A	455	470	--	
Luminous Flux	ϕ V	R	I _F = 1.0A	--	428	--	lm
		G	I _F = 1.0A	--	1508	--	
		B	I _F = 1.0A	--	143	--	
Recommend Forward Current	I _F (rec)	--	--	--	2.4	--	A

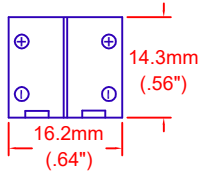


Absolute Maximum Rating at TA = 25°C

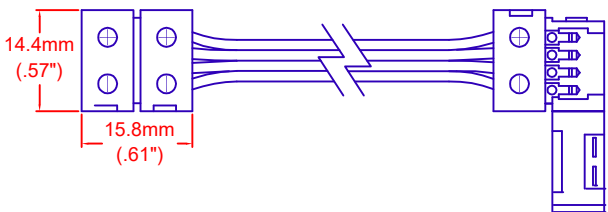
Parameter	Symbol	Absolute Maximum Rating	Unit
Forward Current	I _F	3	A
Power Dissipation	P _D	72	W
Electrostatic Discharge	ESD	400	V
Operating Temperature	T _{opr}	-20~+50	°C
Storage Temperature	T _{stg}	-30~+80	°C

Mating Components

ZFS-CH0-RGB10J Flex to Flex
No Solder Connector



ZCH-170-RGB-J Flex Ribbon Joiner Harness



ATTENTION
OBSERVE PRECAUTION
FOR HANDLING ELECTROSTATIC
DISCHARGE SENSITIVE DEVICES

JKL PART NO.: ZFS-105000-24RGB

METRIC		DIMENSIONS ARE IN mm (INCHES)		JKL COMPONENTS CORPORATION	
THIRD ANGLE PROJECTION		TOLERANCE UNLESS OTHERWISE SPECIFIED 1 PL +/- REF. 2 PL +/- REF. ANGLE +/-		TITLE 24 V RGB LED FLEX STRIP	
DRAWN BY L. WENGSTROM		APP'D BY DATE L.R. 6/5/18		SIZE A	FSCM NO. 55335
- CAD DRAWING - MANUAL REVISIONS NOT PERMITTED		DRAWING NO. ZFS-105000-24RGB		SCALE NONE	RELEASED DATE 3/15/16
REV. NO.		DESCRIPTION/ECO NUMBER		REVISION DATE 2/15/24	REV. NO. C
C		ILLUSTRATION CORRECTION		SHEET 1 OF 1	
B		CHANGE +24V GRB TO +24V BRG [4 PLCS]			
A		CHANGE MATING COMPONENT			
		RELEASED			

Mouser Electronics

Authorized Distributor

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[ZFS-105000-24RGB](#)