

## PRODUCT SPECIFICATION

REVISION :R1.0	PREPARED BY: SR INDUSTRIES
PRODUCT DESCRIPTION	2835 168D 12V STRIP
PRODUCT CODE	KED-01-168-20
<b>MECHANICAL</b>	
PACKING	ANTISTATIC BAG/BLISTER
WIDTH OF STRIP (+/- 0.1MM)	5MM
LENGTH/REEL	5M/ROLL
<b>ELECTRICAL</b>	
DRIVER TYPE	12V 8A CV
INPUT VOLTAGE (VDC) $\pm 10\%/M$	12V
INPUT CURRENT( A) $\pm 10\%/M$	1.25A
INPUT POWER(W) $\pm 10\%/M$	15W
TOTAL VOLTAGE DROP OF 5M STRIP	2.8V
<b>OPTICAL</b>	
NO OF LED/M	168LED
LED PACKAGE	2835
LED MAKE	MLS LED
LUMEN/CHIP(@ RATED)	26-28LM @60mA
LUMENS PER METER	1200LM $\pm 10\%$
COLOR TEMPERATURE / LUMINOUS INTENSITY	2700K $\pm 145K$
COLOR TEMPERATURE / LUMINOUS INTENSITY	3000K $\pm 175K$
COLOR TEMPERATURE / LUMINOUS INTENSITY	4000K $\pm 275K$
COLOR TEMPERATURE / LUMINOUS INTENSITY	6500K $\pm 510K$
SOLDER POINT TEMPERATURE_5M IP20 STRIP $\leq 90^{\circ}C$	59 $^{\circ}C$ @26 $^{\circ}C$ AMBIENT TEMPERATURE
SINGLE STRING CURRENT	20-30mA
NO OF LED IN SINGLE STRING	3
NUMBER OF RESISTOR SINGLE STRING	1
POWER DISSIPATION (PACKAGE)	0.25W 1206 5%
PCB	FLEXIBLE DOUBLE SIDED PCB 5M
BASE FILM MATERIAL OF PCB	PI+CU
BASE CU THICKENS OF PCB	35+35UM
FIXING METHOD	TAPE/SILICONE CLIP
INGRESS PROTECTION	IP20
<b>ENVIRONMENTAL</b>	
WORKING TEMP. RANGE( $^{\circ}C$ )	-10 $^{\circ}C$ TO +45 $^{\circ}C$
WORKING HUMIDITY RANGE	10-90RH
<b>REGULATORY</b>	
DROP TEST	AS PER QAP