Micro Commercial Components

Micro Commercial Components Corp.

Products End of Life Notification

Issue date: Jan-1st-2011

EOL No#: 010111

Last Buy Date :2011/4/1

Description and Purpose:

MCC has undergone a review of its core business and products , and determined to discontinue below products:

Discontinued Devices	Possible Replacements
CLD20	CLD20B

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Micro Commercial Components

Micro Commercial Components
20736 Marilla Street Chatsworth
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CLD20

20mA Current Limiting Diode

Features

- Lead Free Finish/RoHS Compliant(Note 1) ("P" Suffix designates RoHS Compliant. See ordering information)
- Epoxy meets UL 94 V-0 flammability rating
- Moisure Sensitivity Level 1
- Wide operating voltage range
- Immediate ture-on
- Negative temperature coefficient
- ESD Protected up to 6KV (HBM)

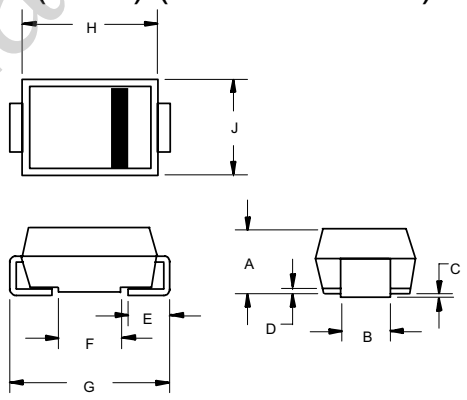
Maximum Ratings

- Operating Temperature: -55°C to +150°C
- Storage Temperature: -55°C to +150°C

RATING	SYMBOL	VALUE	UNITS
Anode-Cathode Voltage	Vak max	45	V
Reverse Voltage	V_R	500	mV

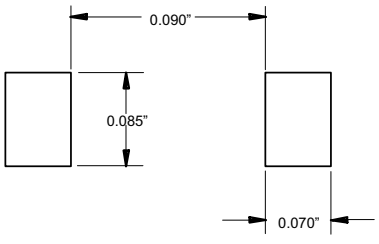
Notes: 1. High Temperature Solder Exemption Applied, see EU Directive Annex Notes 7.

DO-214AC
(SMA) (LEAD FRAME)



DIMENSIONS					
	INCHES		MM		
DIM	MIN	MAX	MIN	MAX	NOTE
A	.079	.096	2.00	2.44	
B	.050	.064	1.27	1.63	
C	.002	.008	.05	.20	
D	---	.02	---	.51	
E	.030	.060	.76	1.52	
F	.065	.091	1.65	2.32	
G	.189	.220	4.80	5.59	
H	.157	.181	4.00	4.60	
J	.090	.115	2.25	2.92	

SUGGESTED SOLDER
PAD LAYOUT



Preliminary

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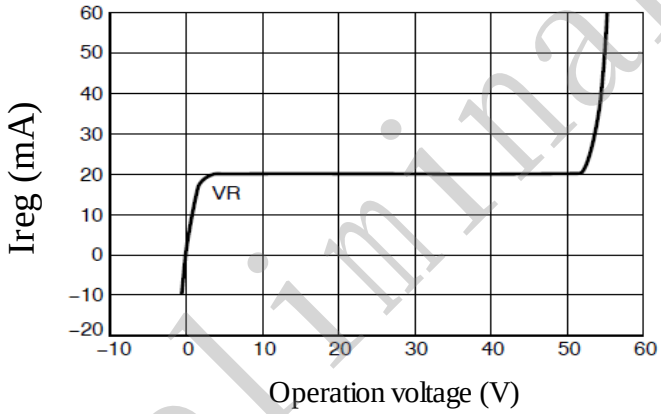
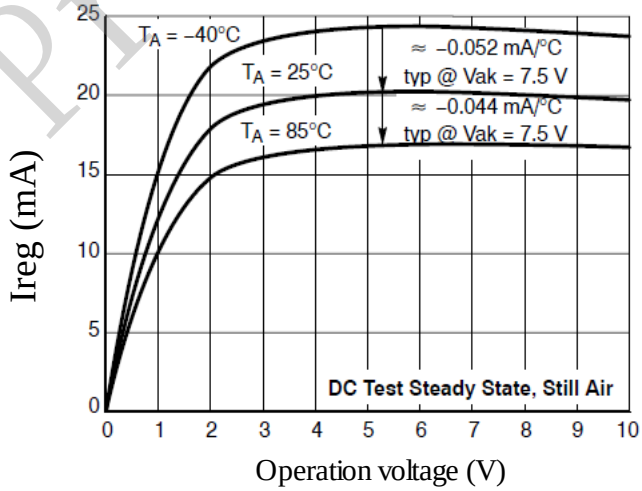
ELECTRICAL CHARACTERISTICS @25°C

Part number	Steady Current Ireg(SS)			Limiting Voltage @ 80% Ireg	Test Voltage	Peak Operating Voltage	Rating Voltage
	Min (mA)	Typ. (mA)	Max (mA)	Max (V)	(V)	(V)	Max (V)
CLD20	17	20	23	4.5	10	45	25

Performance curve for Current Limiting Diode





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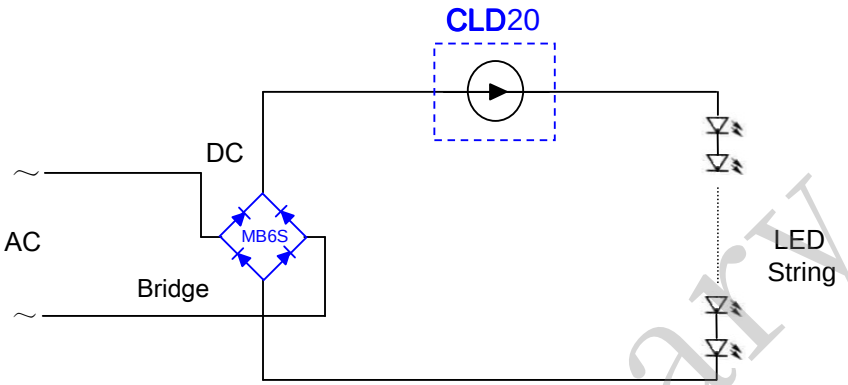
CLD20

Application



Type Application Circuit
(20mA each LED String)

Number of LED's that can be connected is determined by:

LEDs=(Vdc-Vak)/LED V_F

Example: Vac=110V,CLD Vak=45V,LED VF=3.5V@20mA
Using our P/N:MB6S bridge for whole wave rectifier
After rectifier, Output Vdc=150V
(150Vdc-45Vdc)/3.5Vdc=30 LEDs in series.

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Ordering Information

Device	Packing
(Part Number)-TP	Tape&Reel;5Kpcs/Reel

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*****LIFE SUPPORT*****

MCC's products are not authorized for use as critical components in life support devices or systems without the express written approval of Micro Commercial Components Corporation.

*****CUSTOMER AWARENESS*****

Counterfeiting of semiconductor parts is a growing problem in the industry. Micro Commercial Components (MCC) is taking strong measures to protect ourselves and our customers from the proliferation of counterfeit parts. MCC strongly encourages customers to purchase MCC parts either directly from MCC or from Authorized MCC Distributors who are listed by country on our web page cited below. Products customers buy either from MCC directly or from Authorized MCC Distributors are genuine parts, have full traceability, meet MCC's quality standards for handling and storage. **MCC will not provide any warranty coverage or other assistance for parts bought from Unauthorized Sources.** MCC is committed to combat this global problem and encourage our customers to do their part in stopping this practice by buying direct or from authorized distributors.

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