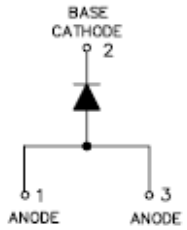
Technical Data
Data Sheet N1653, Rev. -

Green Products

SDD660 STANDARD RECTIFIER

Features:

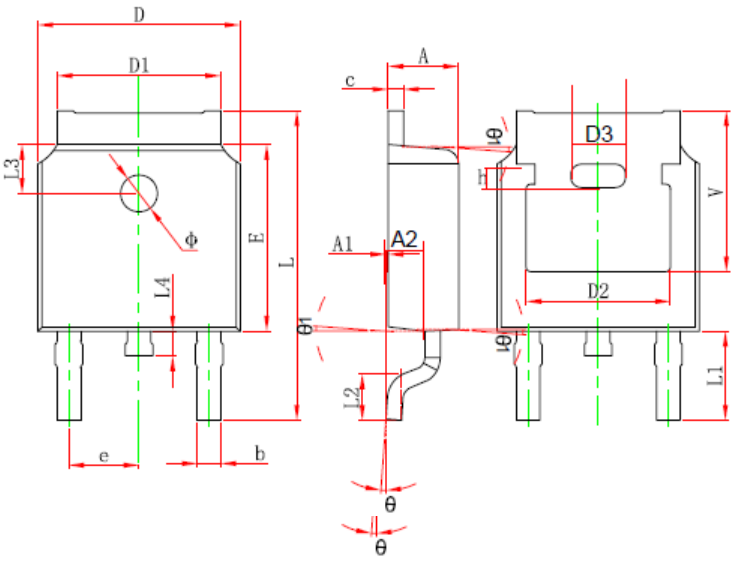
- **Glass Passivated Die Construction**
- **Ideally Suited for Automatic Assembly**
- **Low Forward Voltage Drop**
- **Low Power Loss**
- **Built Strain Relief**
- **Plastic Case Material has UL Flammability Classification Rating 94V-O**
- **This is a Pb − Free Device**
- **All SMC parts are traceable to the wafer lot**
- **Additional testing can be offered upon request**



Mechanical data:

- **Case: Molded Plastic**
- **Terminals: Solder Plated , Solderable Per MIL-STD 750 ,Method 2026**
- **Marking: Type Number**
- **Weight: 0.39 grams(Approx)**

Mechanical Dimensions: In mm/Inches



Symbol	Dimensions In Millimeters		Dimensions In Inches	
	Min.	Max.	Min.	Max.
A	2.200	2.380	0.087	0.094
A10.000	0.000	0.100	0.000	0.004
b	0.710	0.810	0.028	0.032
c	0.460	0.560	0.018	0.022
D	6.500	6.700	0.256	0.264
D1	5.130	5.460	0.202	0.215
D2	4.830 REF.		0.190 REF.	
E	6.000	6.200	0.236	0.244
e	2.186	2.386	0.086	0.094
L	9.800	10.400	0.386	0.409
L1	2.900 REF.		0.114 REF.	
L2	1.400	1.700	0.055	0.067
L3	1.600 REF.		0.063 REF.	
L4	0.600	1.000	0.024	0.039
Φ	1.100	1.300	0.043	0.051
θ	0°	8°	0°	8°
A2	0.910	1.110	0.036	0.044
V	5.350 REF.		0.211 REF.	
D3	1.778REF.		0.070REF.	
h	0.762REF.		0.030REF.	
θ1	7°		7°	

V	5.350 REF.		0.211 REF.	
D3	1.778REF.		0.070REF.	
h	0.762REF.		0.030REF.	
θ1	7°		7°	

DPAK

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Marking Diagram:

Where XXXXX is YYWWL

SDD660	= Part Name
SSG	= SSG
YY	= Year
WW	= Week
L	= Lot Number

Cautions: Molding resin
Epoxy resin UL:94V-0

Ordering Information

Device	Package	Shipping
SDD660	DPAK (Pb-Free)	2500pcs / reel

For information on tape and reel specifications, including part orientation and tape sizes, please refer to our Tape and Reel Packaging Specification.

Maximum Ratings and Electrical Characteristics @T_A=25°C unless otherwise specified

Single Phase, half wave, 60Hz, resistive or inductive load.
For capacitive load, derate current by 20%.

Characteristic	Symbol	SDD660	Unit
Maximum Peak Repetitive Reverse Voltage Maximum DC Blocking Voltage	V_{RRM} V_R	600	V
Maximum RMS Voltage	V_{RMS}	420	
Maximum Average Forward Rectified Current 0.375"(9.5mm) Lead Length @T_C = 105°C	$I_{(AV)}$	6.0	A
Non-Repetitive Peak Forward Surge Current 8.3ms Single half sine-wave superimposed on rated load (JEDEC Method)	I_{FSM}	70	A
Maximum Instantaneous Forward Voltage @I_F = 6.0A	V_F	1.1	V
Maximum DC Reverse Current At Rated DC Blocking Voltage @T_A = 25°C	I_R	5	uA
Maximum Thermal Resistance Junction to Case	$R_{\theta JC}$	5	°C/W
Operating Storage Temperature Range	T_{STG}	-55 to +150	°C
Operating Junction Temperature	T_J	-55 to +150	°C
Case Style	DPAK		

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