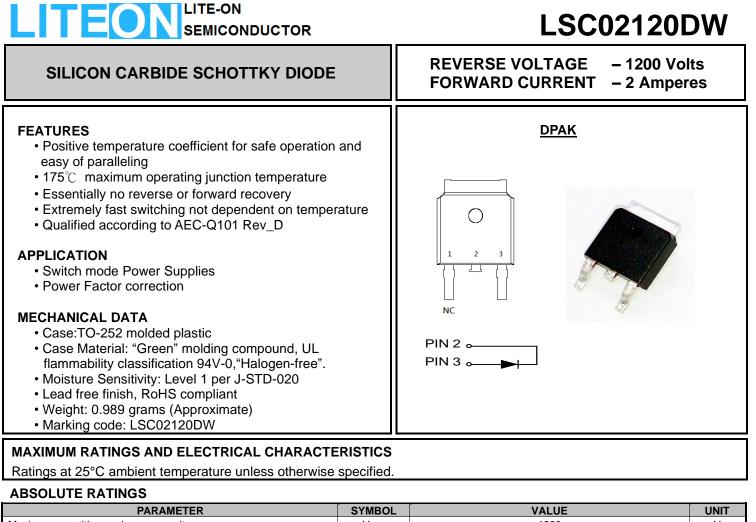
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PARAMETER			SYMBOL	VALUE		UNIT
Maximum repetitive peak reverse voltage			V _{RRM}	1200		V
Maximum DC blocking voltage			V _{DC}	1200		V
Maximum Average rectified output current @T _c =130°C		I _(AV)	2		A	
Peak forward surge current 10ms single half sine-wave superimposed on rated load.			I _{FSM}	24		А
Operating junction and Storage Temperature range			T _{J,} T _{STG}	-55 ~ +175		°C
STATIC ELECTRICAL C	HARACTERIST	ICS				
PARAMETER	TEST C	ONDITIONS	SYMBOL	TYP MAX		UNIT
Forward voltage (Note1)	I _F =2A	T _J =25°C T _J =150°C	V _F	 1.9	1.6 2.3	V
Leakage current	V _R =1200V	T _J =25°C T _J =150°C	I _R	 94	128 	uA
DYNAMIC ELECTRICAL	CHARACTERIS	STICS				
PARAMETER	TEST C	TEST CONDITIONS		ТҮР		UNIT
Total Capacitive Charge	VR=400V,dl/ I _F =2A	VR=400V,dl/dt= 200A/uS $I_F=2A$		15		nC
Typical junction capacitance (Note 2)			CJ	105		pF
THERMAL CHARACTER	ISTICS					
PARAMETER			SYMBOL	ТҮР		UNIT

RthJ_C

RthJ₁

9

4

°C/W

REV.-7, Jan-2021, KTGB15

Note :

(1) 300us pulse width, 2% duty cycle.

Typical thermal resistance (Note 3,4)

(2) Measured at 1.0MHz and applied voltage of 1.0VDC.

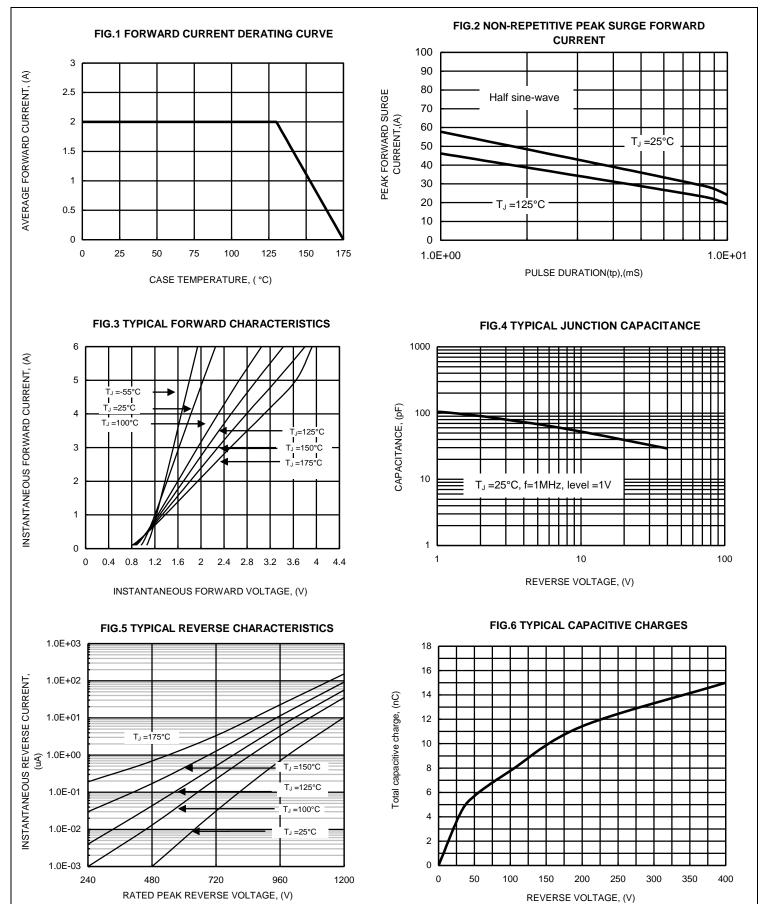
(3) Thermal resistance test performed in accordance with JESD-51.

(4) The unit mounted on copper PCBA (50 mm x 50 mm)

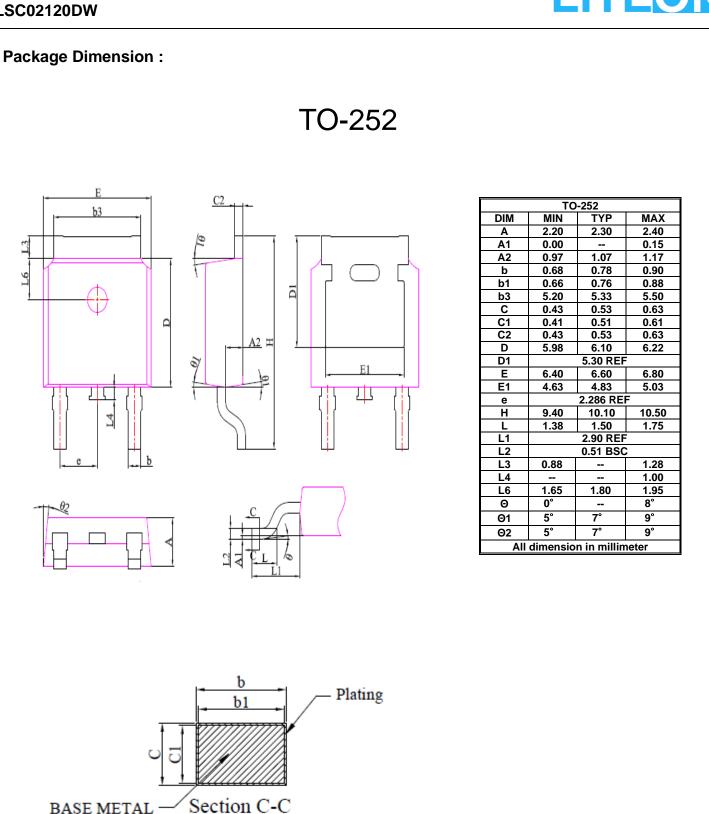
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RATING AND CHARACTERISTIC CURVES LSC02120DW



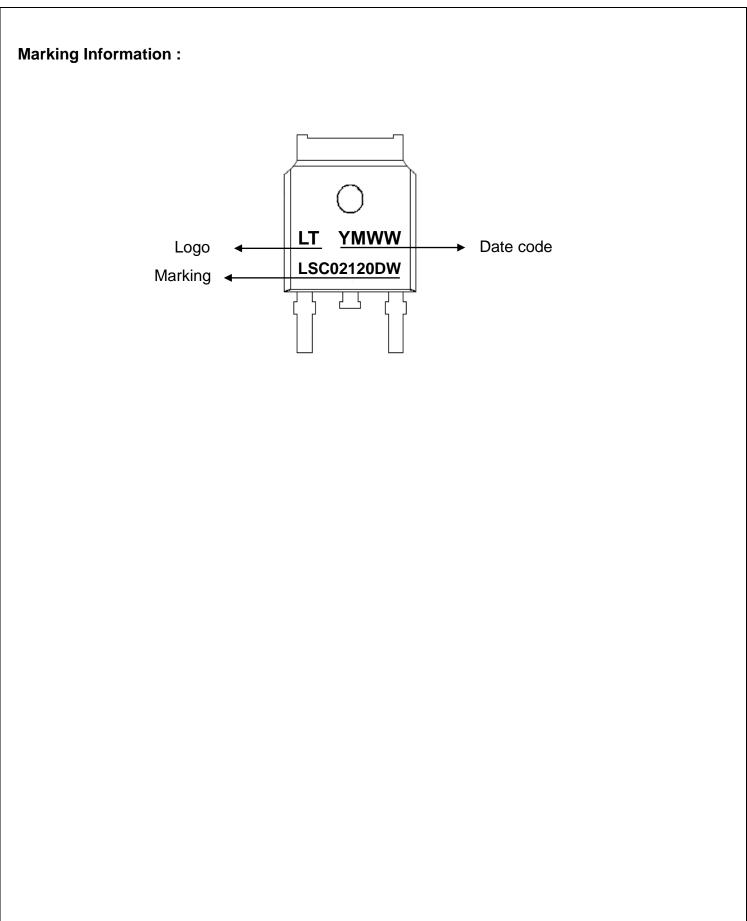


MECHANICAL AND MARKING INFORMATION LSC02120DW



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