S1P40R120SSE-A (Preliminary)

Table of contents

Features 1

Applications 1

Table of contents 2

1 Maximum ratings 3

2 Thermal / Packaging Characteristics 4

3 Electrical characteristics 5

3.1 Static characteristics 5

3.2 Dynamic characteristics 5

3.3 Switching characteristics 6

4 Package drawing 7

5 Test conditions 8

Revision history 9

Attention 9

1 Maximum ratings

Table 2 Maximum rating (Tc = 25°C unless other

2 Thermal / Packaging Characteristics

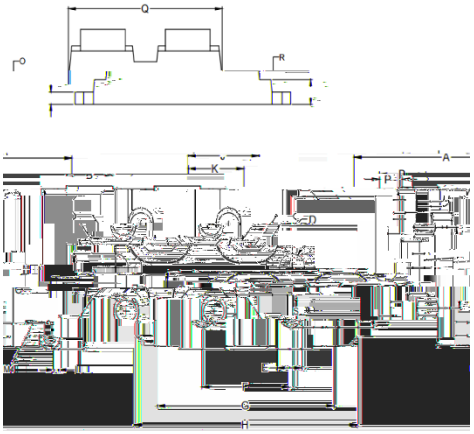
* By estimated

3.3 Switching characteristics

Table 6 Dynamic characteristics(Tc = 25°C unless otherwise specified)

Symbol	Parameter	Min.	Typ.	Max.	Unit	Test Conditions	Note
E_{on}	Turn on switching energy	-	259	-	ns	V_{DS} = 800V, V_{GS} = -4/+15V I_D = 33.3A, Rg = 2.5 , L = 120 H	
E_{off}	Turn off switching energy	-	50	-			
$t_{d\ on}$	Turn on delay time	-	31	-			
t_r	Rise time	-	18	-			
$t_{d\ off}$	Turn off delay time	-	32	-			

4 Package drawing



DiM	Millimeter		
	Min	Max	
	31.40	31.60	A
20	4.40		

Revision history

Document version	Date of release	Description of changes
V01_00		

7. Except as otherwise explicitly approved by Sichain in a written document signed by authorized representatives of Sichain, Sichain' products may not be used in any applications where a failure of the product or any consequences of the use thereof can reasonably be expected to result in personal injury.

8. For use of our products in applications requiring a high degree of reliability (as exemplified below), please contact and consult with a Sichain representatives, for example but not limited to: transportation equipment,primary communication equipment,traffic lights,fire/crime prevention, safety equipment, medical systems, and power transmission systems.