

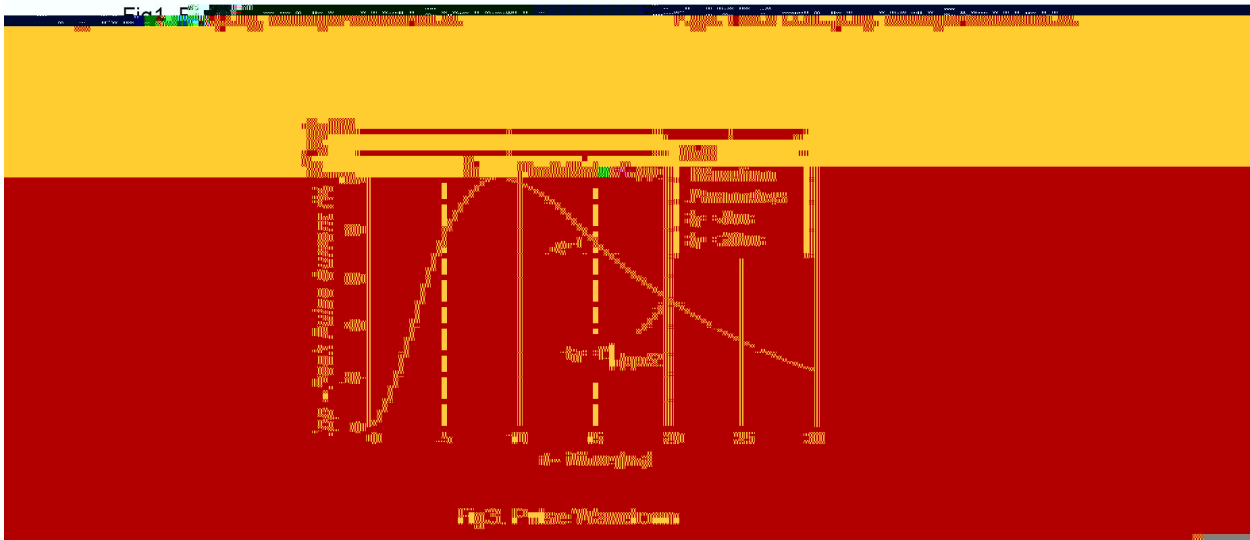
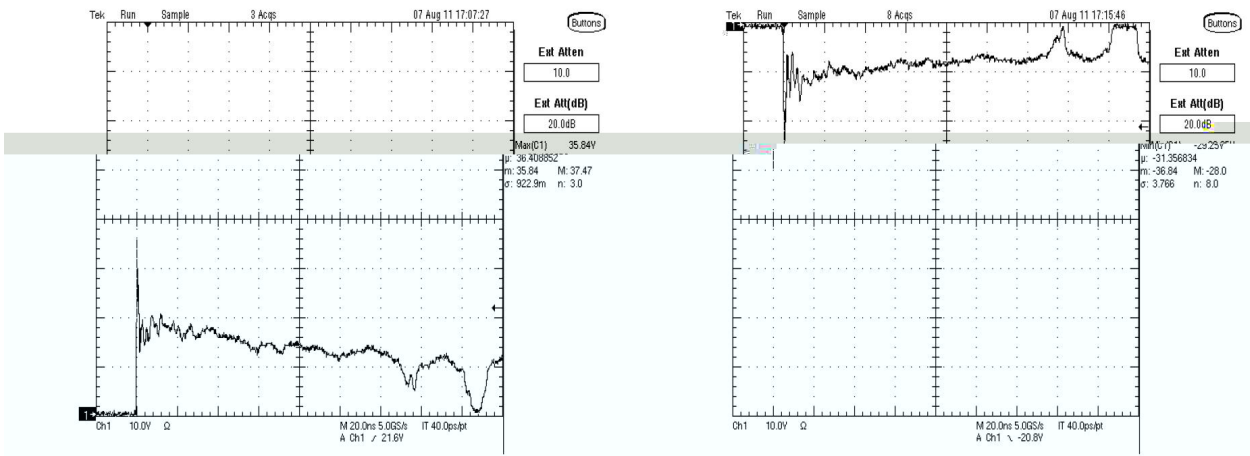


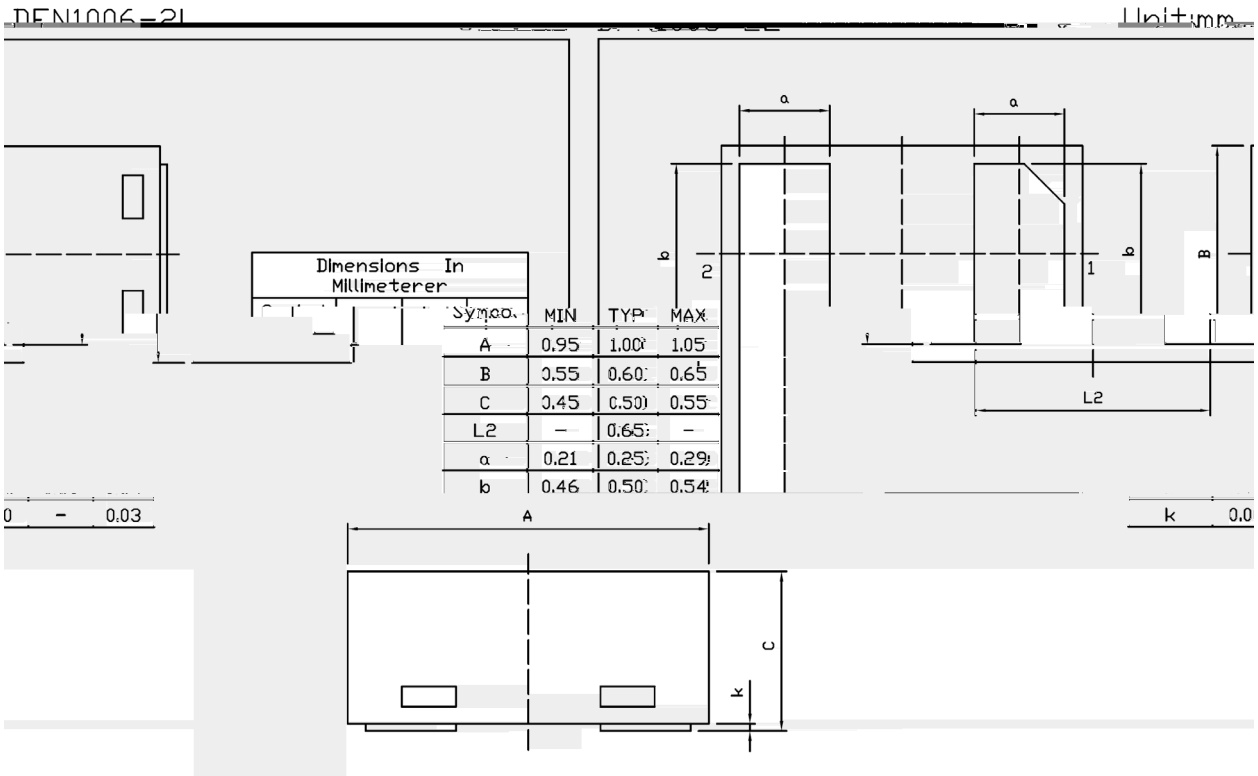
Parameter	Symbol	Rating	Unit
Peak pulse power ( $t_p = 8/20$ s)	$P_K$	69	W
Peak pulse current ( $t_p = 8/20$ s)	$I_{PP}$	5.5	A
ESD according to IEC61000-4-2 air discharge	$V_{ESD}$	$\pm 15$	KV
ESD according to IEC61000-4-2 contact discharge		$\pm 8$	
Junction temperature	$T_J$	150	
Storage temperature	$T_{STG}$	-55~+150	

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Reverse maximum working voltage	$V_{RWM}$				5.0	V
Reverse leakage current	$I_R$	$V_{RWM} = 5V$			0.5	$\mu A$
		$V_{RWM} = 3.5V$			0.3	$\mu A$
Reverse breakdown voltage <sup>1)</sup>	$V_{BR}$	$I_T = 1mA$	5.6			V
Clamping voltage <sup>2)</sup>	$V_C$	$I_{PP} = 1A$ $t_p = 8/20$ s			9.8	V
		$I_{PP} = 5.5A$ $t_p = 8/20$ s			12.5	V
Junction capacitance	$C_J$	$V_R = 0V$ $f = 1MHz$			15	pF

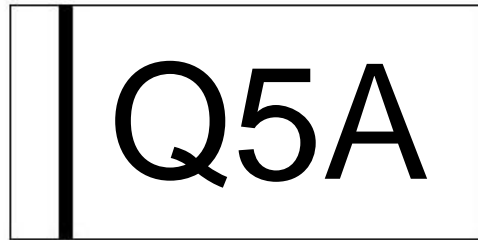
Notes:

- 1)  $V_{BR}$  is measured with a pulse test current  $I_T$  at an ambient temperature of 25 .
- 2) Non-repetitive current pulse, according to IEC61000-4-5.





Rev.01 202108



Q  
5A

Note

Q: Automobile halogen-free product Code  
5A Product Type

**Temperature Profile for IR Reflow Soldering(Pb-Free)**


**Note:**

- |   |           |              |   |
|---|-----------|--------------|---|
| 1 | 150 ~ 200 | 60 ~ 120sec; | 1.Preheating:150~200 , Time:60~120sec.  |
| 2 | 255±5     | 5±0.5sec;    | 2.Peak Temp.:255±5 , Duration:5±0.5sec. |
| 3 | 2 ~ 10    | /sec.        | 3. Cooling Speed: 2~10 /sec.            |

260±5

10±1 sec.

Temp.:260±5

Time:10±1 sec

/ REEL