

/ Absolute Maximum Ratings

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}	± 30	KV
ESD according to IEC61000-4-2 contact discharge		± 30	
Junction temperature	T_J	150	
Storage temperature	T_{STG}	-55~+150	

/ Electrical Characteristics(Ta=25)

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Reverse maximum working voltage	V_{RWM}				3.3	V
Reverse leakage current	I_R	$V_{RWM} = 3.3V$			0.1	uA
Reverse breakdown voltage ¹⁾	V_{BR}	$I_T = 1mA$	5.0		6.8	V
Clamping voltage ²⁾	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

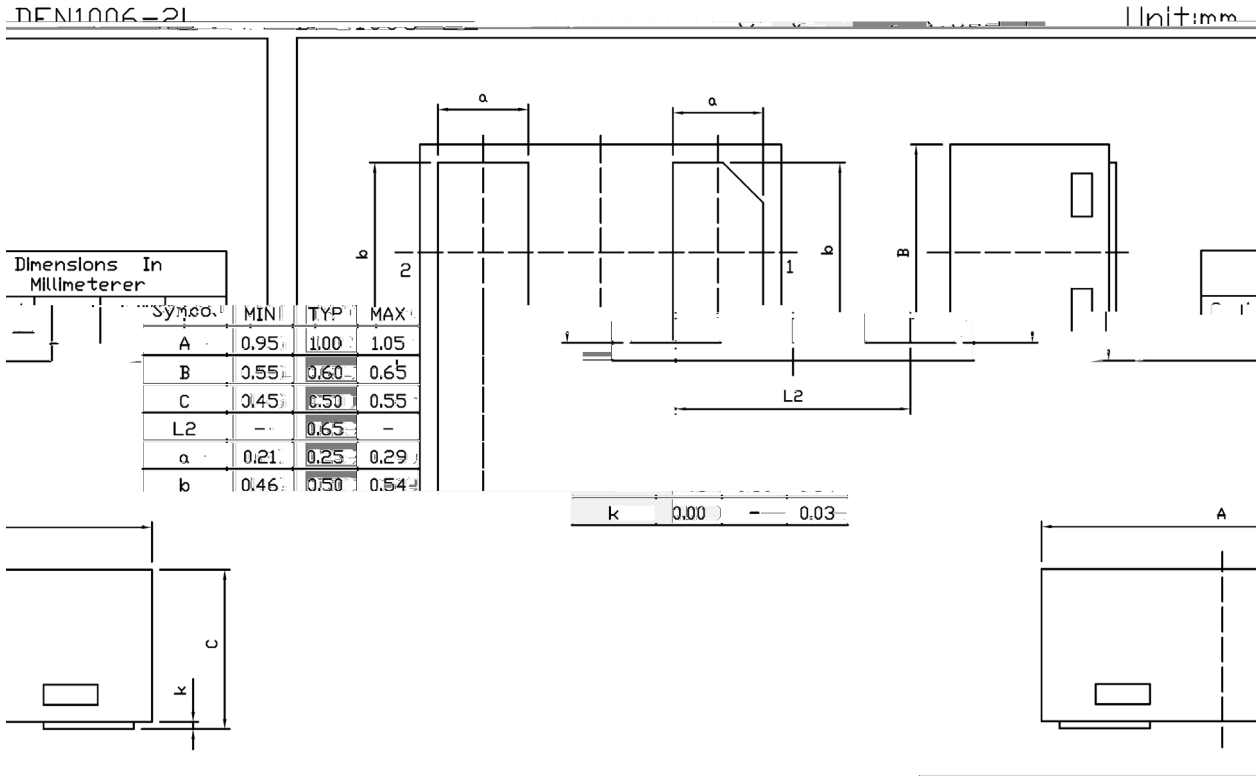
Notes:

- 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.

/ Electrical Characteristic Curve

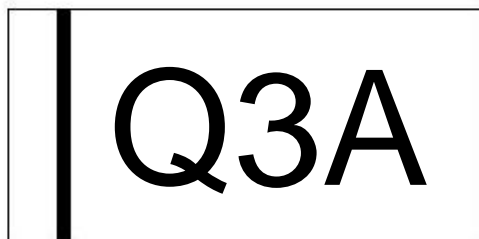


/ Package Dimensions



Rev.01 202108

/ Marking Instructions



Q

3A

Note

Q Automobile halogen-free product Code

3A Product Type

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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.

/ Resistance to Soldering Heat Test Conditions

260±5 10±1 sec. Temp.:260±5 Time:10±1 sec

/ Packaging SPEC.

/ REEL

Package Type	Units					Dimension (unit mm ³)		
	Units/Reel /	Reels/Inner Box /	Units/Inner Box /	Inner Boxes/Outer Box /	Units/Outer Box /	Reel	Inner Box	Outer Box