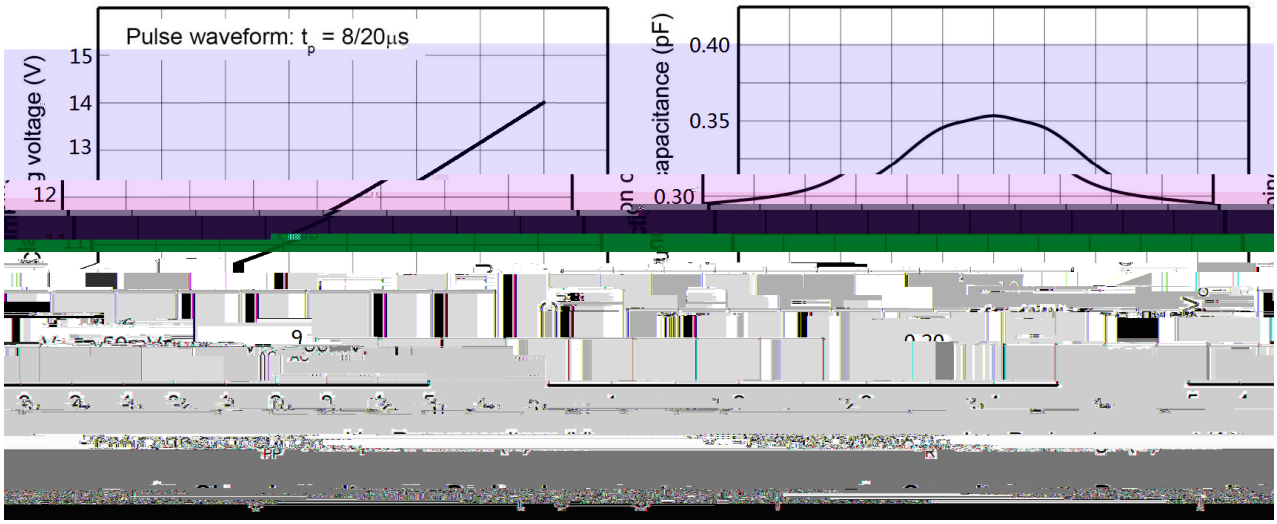
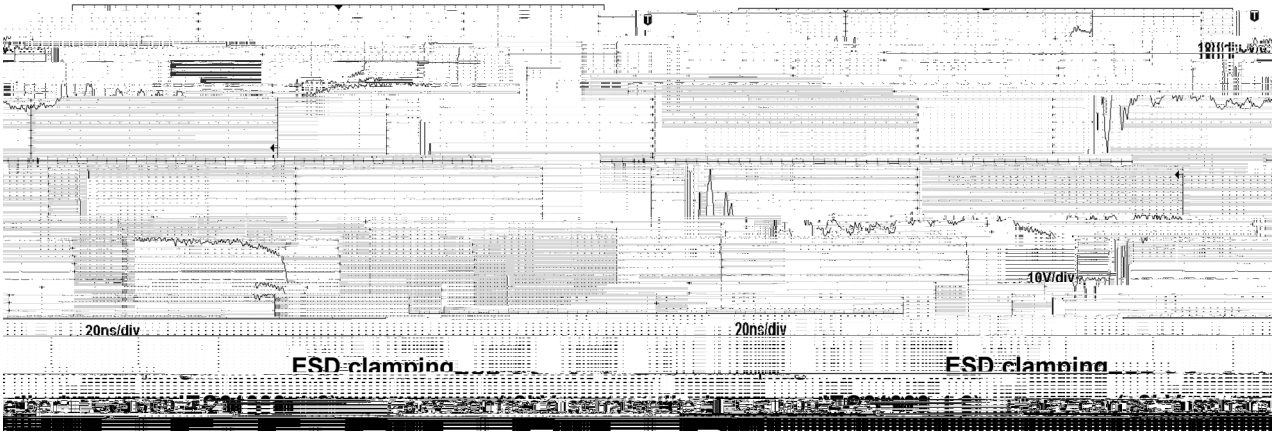
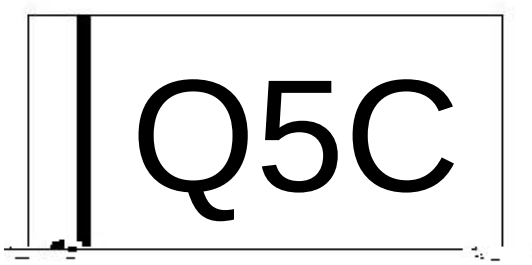
Parameter	Symbol	Rating	Unit
Peak Pulse Power(t_p = 8/20μs)	P_{PK}	56	W
Peak Pulse Current(t_p = 8/20μs)	I_{PP}	4	A
ESD according to IEC61000-4-2 air discharge	V_{ESD}	±20	KV
ESD according to IEC61000-4-2 contact discharge		±20	
Junction temperature	T_J	125	
Storage Temperature	T_{STG}	-55~+150	

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Reverse maximum working voltage	V_{RWM}				5.0	V
Reverse leakage current	I_R	V_{RWM} = 5.0V			100	nA
Reverse breakdown voltage [1)]						


Pulse waveform: t_p = 8/20μs
15
14
13
12
9
0.40
0.35
0.30
0.20


20ns/div
ESD clamping
10V/div
20ns/div
ESD clamping

Rev.A Jan.-2023



Q 8F

Note

Q	Automobile halogen-free product Code
5C	Product Type

Temperature Profile for IR Reflow Soldering(Pb-Free)

ب Note:

1 أ 150 200 ژ 60 120sec; 1.Preheating:150~200 , Time:60~120sec.

2 255±5 ژ ٨ 5±0.5sec; 2.Peak Temp.:255±5 , Duration:5±0.5sec.

3 ١ ھ 2 10 /sec. 3. Cooling Speed: 2~10 /sec.

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

` Ł / REEL

Package Type