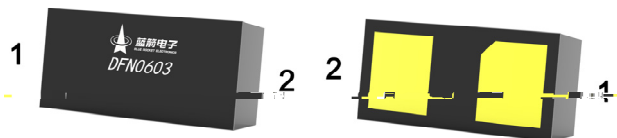


GIQ3936 M M HVG 3 I II 1
DFN0603 Plastic Package ESD Protection Diode.

Ultra small package, Response Time is Typically < 1 ns, ESD > 30KV per Human Body Model,IEC61000-4-2 Level 4 ESD Protection,HF Product.

Suitable for cellular phones audio,MP3 players, Digital cameras, Portable devices, mobile telephone and other users.



M 1 " See Marking Instructions.

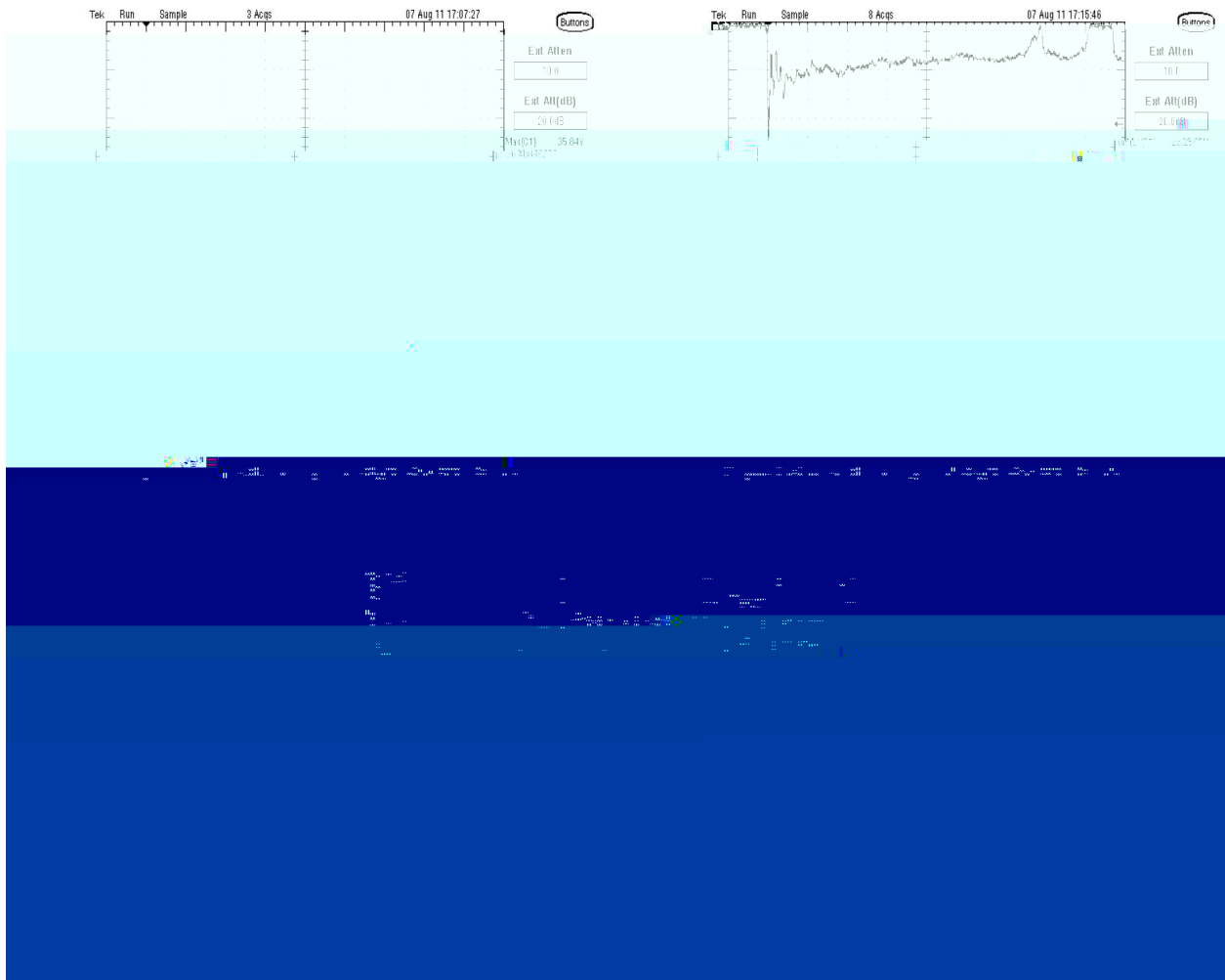
Parameter	Symbol	Rating	Unit
Peak pulse power ($t_p = 8/20\mu s$)	P_K	69	W
Peak pulse current ($t_p = 8/20\mu s$)	I_{PP}	5.5	A
ESD according to IEC61000-4-2 air discharge	V_{ESD}	± 30	KV
ESD according to IEC61000-4-2 contact discharge		± 30	
Junction temperature	T_J	150	
Storage temperature	T_{STG}	-55~+150	

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	μA
Reverse breakdown voltage ¹⁾	V_{BR}	$I_T = 1mA$	5.0		6.8	V
Clamping voltage ²⁾	V_C	$I_{PP} = 1A \quad t_p = 8/20\mu s$			9.8	V
		$I_{PP} = 5.5A \quad t_p = 8/20\mu s$			12.5	V
Junction capacitance	C_J	$V_R = 0V \quad f = 1MHz$			15	pF

Notes:

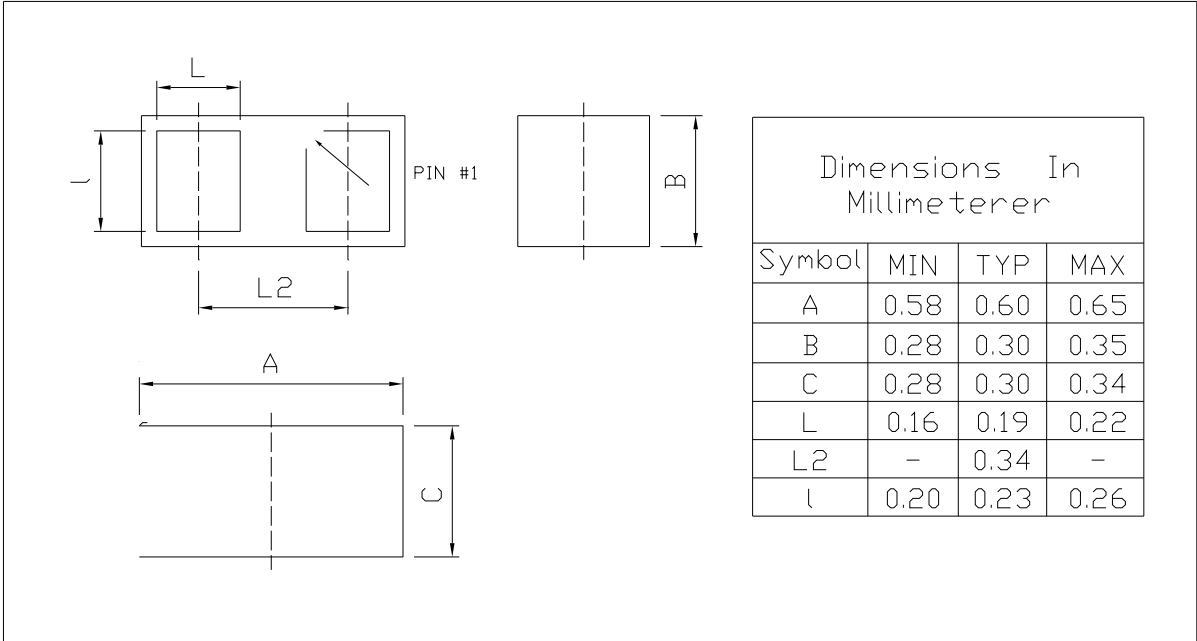
 1) V_{BR} is measured with a pulse test current I_T at an ambient temperature of 25 °C.

2) Non-repetitive current pulse, according to IEC61000-4-5.

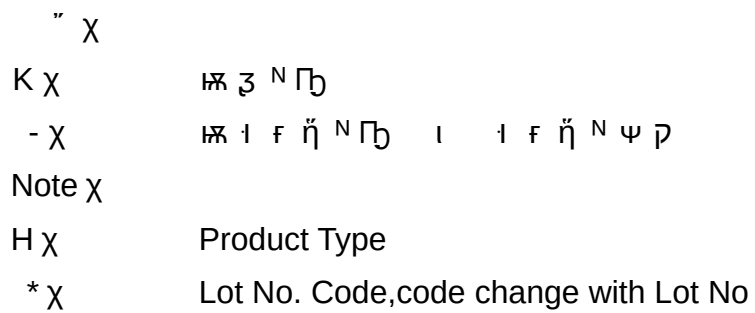


DFN0603

Unit:mm



Rev.02 202102



- ” X
- 1 150~180 ℃ 60~90sec;
 - 2 245±5 ℃ 5~0.5sec;
 - 3 2~10 ℃/sec.

- Note:
- 1.Preheating:150~180 ℃ , Time:60~90sec.
 - 2.Peak Temp.:245±5 ℃ , Duration:5~0.5sec.
 3. Cooling Speed: 2~10 ℃ /sec.

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

/ REEL