

#### Maximum Ratings and Thermal Characteristics (T<sub>A</sub> = 25°C unless otherwise noted)

PARAMETER	SYMBOL	LIMIT	UNITS	
ESD IEC61000-4-2(Air)	M	±18	kV	
ESD IEC61000-4-2(Contact)	Vesd	±15		
Operating Junction Temperature Range	TJ	-55~150	٥C	
Storage Temperature Range	Tstg	-55~150	٥C	



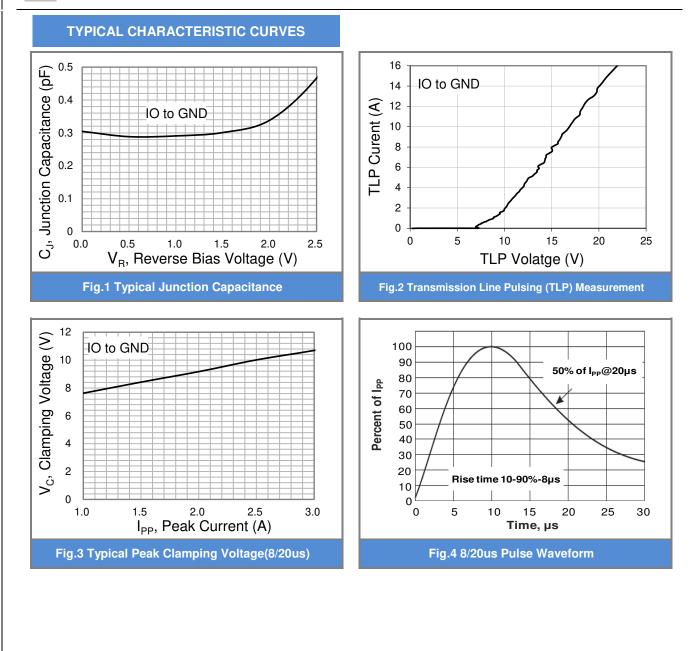
#### **Electrical Characteristics** (T<sub>A</sub> = 25°C unless otherwise noted)

PARAMETER	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNITS
Reverse Stand-Off Voltage <sup>(Note 1)</sup>	V <sub>RWM</sub>	-	-	-	3.3	V
Reverse Breakdown Voltage	V <sub>BR</sub>	I <sub>BR</sub> =1mA	4	-	-	V
Reverse Leakage Current	I <sub>R</sub>	V <sub>R</sub> =3.3V	-	-	50	nA
Clamping Voltage	V <sub>CL</sub>	IPP=1A, tP=8/20us	-	-	9	V
		IPP=3A, tP=8/20us	-	-	13	V
Clamping Voltage TLP <sup>(Note 2)</sup>	V <sub>CL</sub>	IPP=8A, tP=100ns	-	15	-	V
		I <sub>PP</sub> =16A, t <sub>P</sub> =100ns	-	22	-	V
Dynamic Resistance	Rdyn	tp=100ns	-	0.88	-	Ω
Off State Junction Capacitance	CJ	0Vdc Bias f=1MHz	-	0.3	0.4	рF

#### NOTES :

- 1. A transient suppressor is selected according to the working peak reverse voltage(V<sub>RWM</sub>), which should be equal to or greater than the DC or continuous peak operation voltage level.
- 2. Testing using Transmission Line Pulse (TLP) conditions :  $Z0 = 50\Omega$ , t<sub>P</sub> = 100 ns.



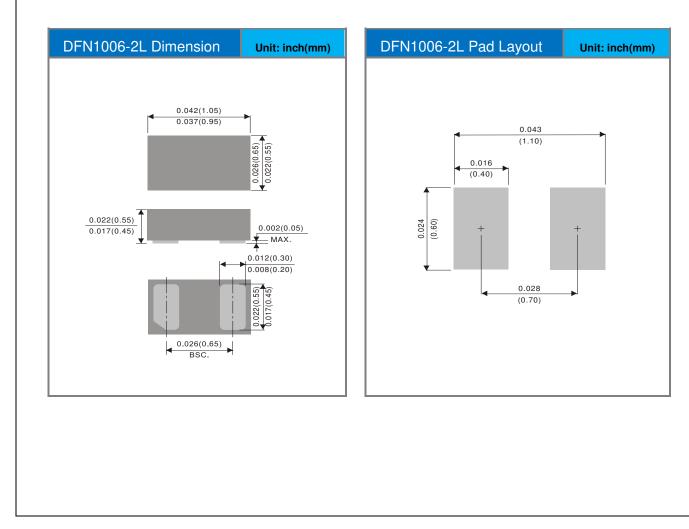




#### **Product and Packing Information**

Part No.	Package Type	Packing Type	Marking	Version
PE1403M1Q	DFN1006-2L	10K pcs / 7" Reel	RH	Halogen free RoHS compliant

### Packaging Information & Mounting Pad Layout





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