

Maximum Ratings and Thermal Characteristics (T_A = 25°C unless otherwise noted)

PARAMETER	SYMBOL	LIMIT	UNITS	
ESD IEC61000-4-2(Air)	N	±18	kV	
ESD IEC61000-4-2(Contact)	Vesd	±15		
Operating Junction Temperature Range	TJ	-55~150	٥C	
Storage Temperature Range	T _{STG}	-55~150	°C	

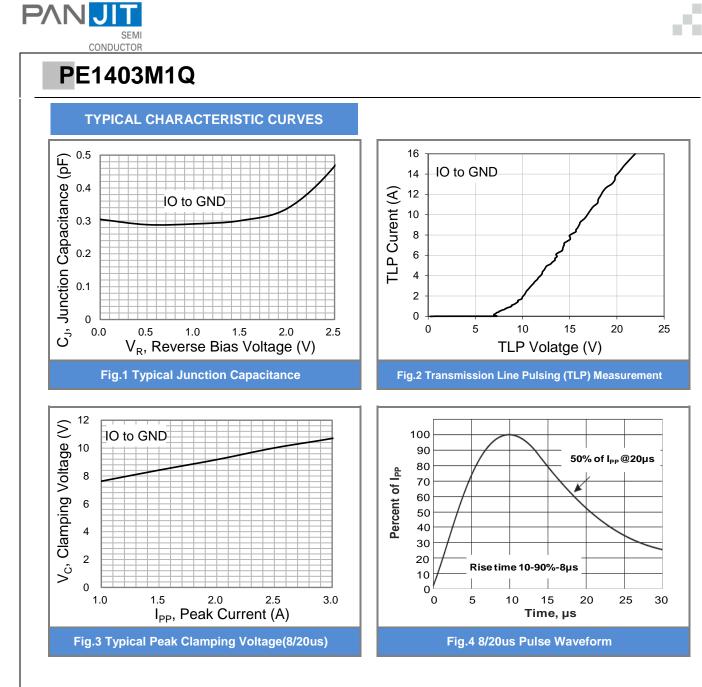


Electrical Characteristics (T_A = 25^oC unless otherwise noted)

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

NOTES :

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

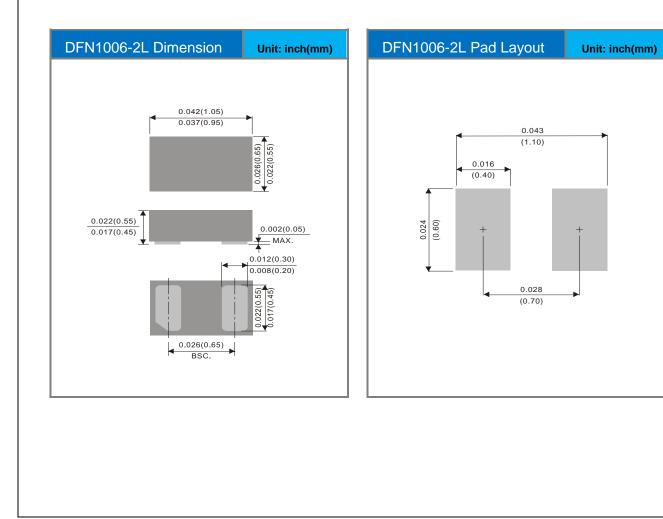




Product and Packing Information

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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