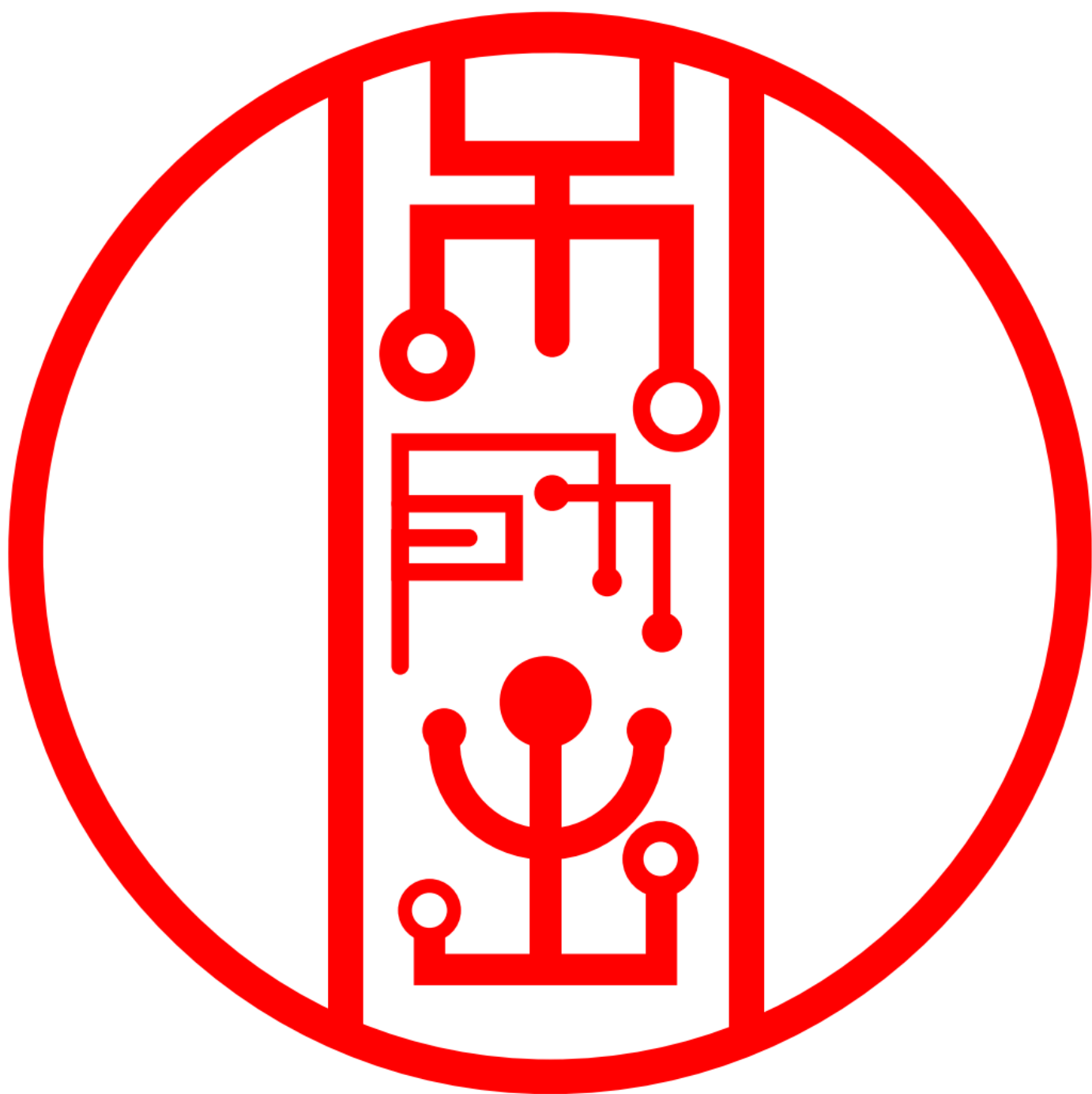
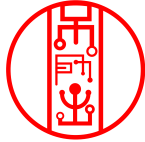






ESD0501CM

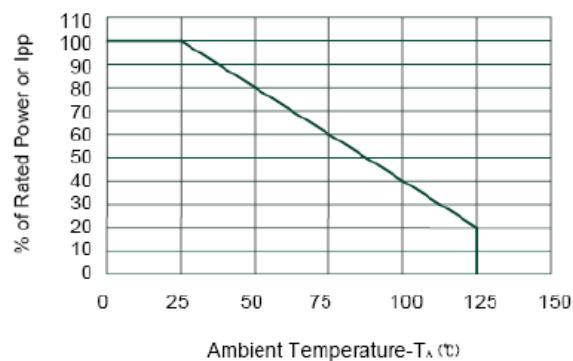
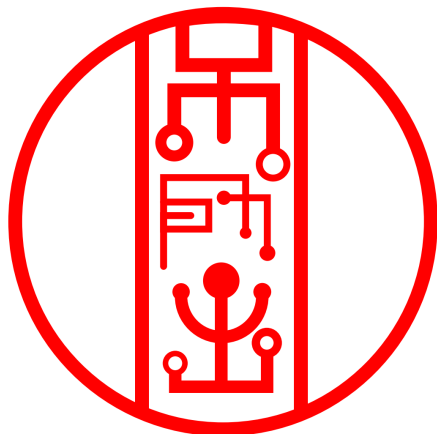
ABSOLUTE MAXIMUM RATING

Symbol	Parameter	Value	Units
V_{ESD}	ESD per IEC 61000-4-2 (Air)	± 15	kV
	ESD per IEC 61000-4-2 (Contact)	± 8	
P_{PP}	Peak Pulse Power (8/20 μ s)	400	W
T_{OPT}	Operating Temperature	-55~150	$^{\circ}$ C
T_{STG}	Storage Temperature	-55~150	$^{\circ}$ C

ELECTRICAL CHARACTERISTICS ($T_{amb}=25^{\circ}$ C)

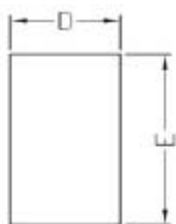
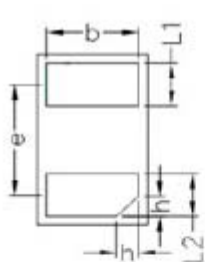
Symbol	Parameter	Test Condition	Min	Typ	Max	Units
V_{RWM}	Reverse Working Voltage				5.0	V
V_{BR}	Reverse Breakdown Voltage	$I_T = 1mA$	5.8		9.0	V
I_R	Reverse Leakage Current	$V_{RWM} = 5V$			1.0	μ A
V_C	Clamping Voltage	$I_{PP} = 1A, t_p = 8/20\mu s$			9.8	V
V_C	Clamping Voltage	$I_{PP} = 20A, t_p = 8/20\mu s$		15	20	V
C_J	Junction Capacitance	$V_R = 0V, f = 1MHz$		30	40	pF

ELECTRICAL CHARACTERISTICS CURVE



Power Derating Curve

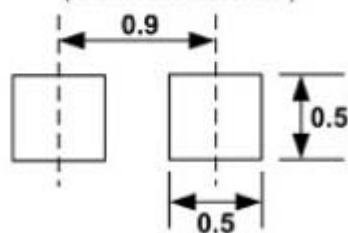
DFN1006 PACKAGE OUTLINE DIMENSIONS



Unit: mm

	MIN	NOM	MAX
D	0.55	0.60	0.65
E	0.95	1.00	1.05
L1	0.20	0.25	0.30
L2	0.20	0.25	0.30
b	0.45	0.50	0.55
e	0.65BSC		
A	0.45	0.50	0.55
h	0.07	0.12	0.17

Dimension: Millimeter
(Stencil thickness: 0.1)



Soldering Footprint