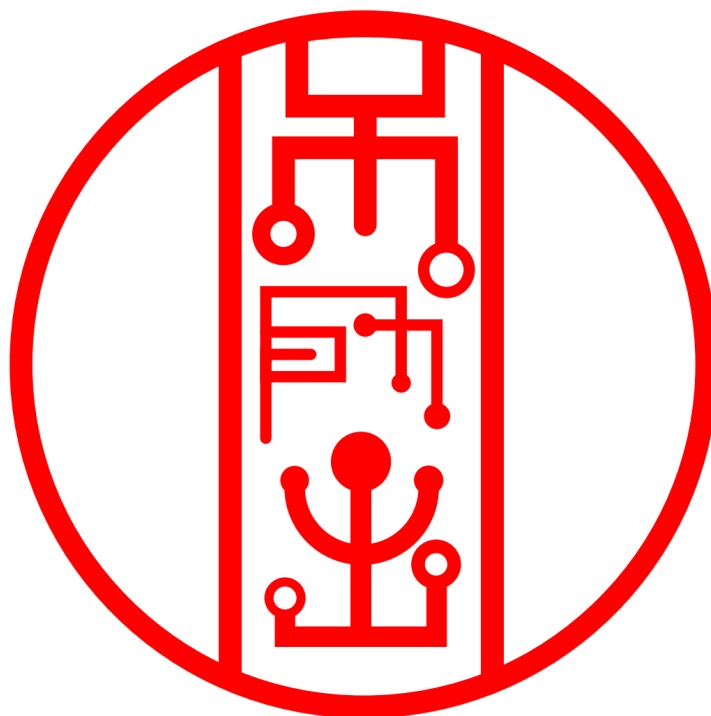


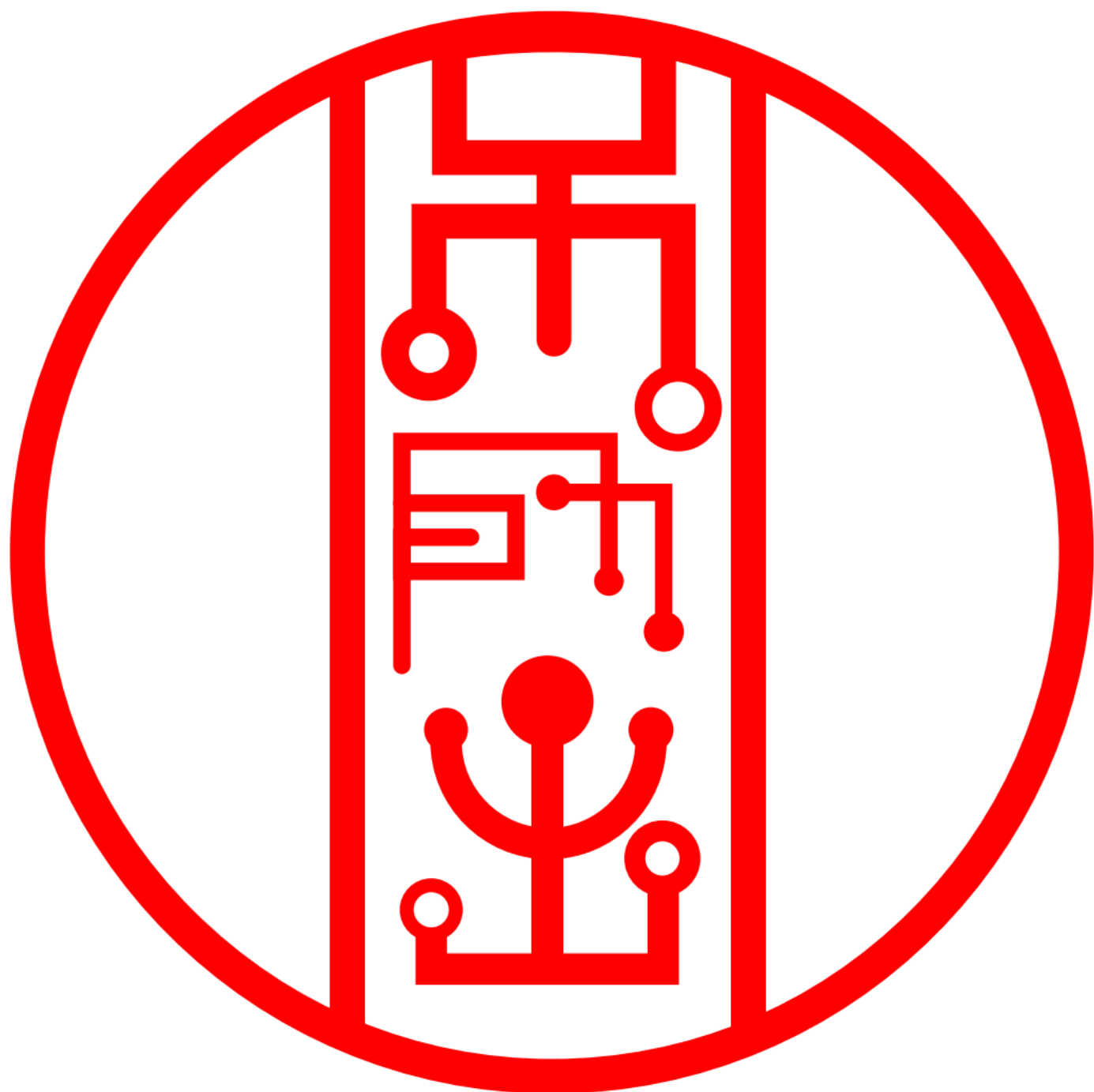


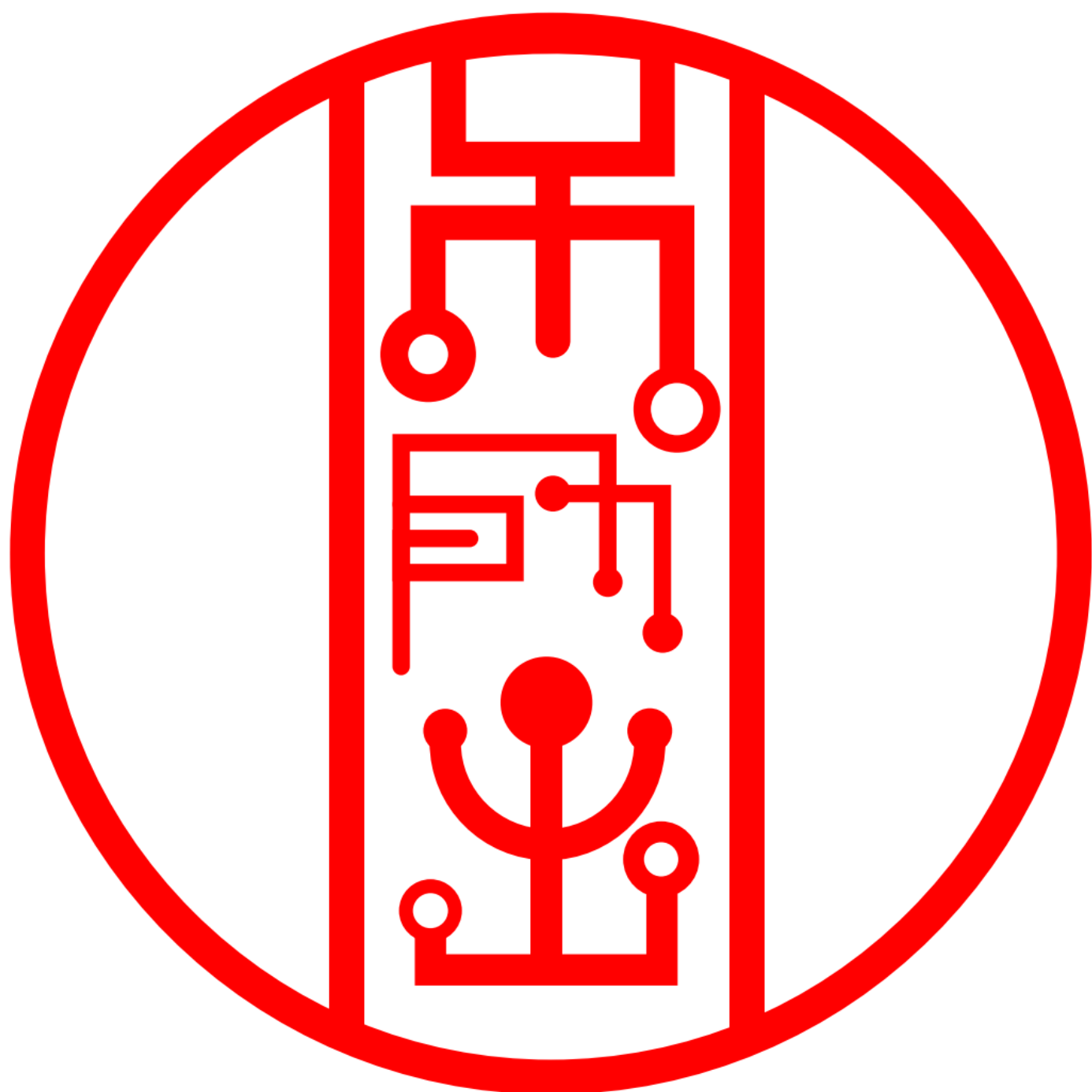
DEVICE MARKING

MMSD301	= XT, MMSD701	= XH
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ELECTRICAL CHARACTERISTICS ($T_A = 25^\circ\text{C}$ unless otherwise noted)

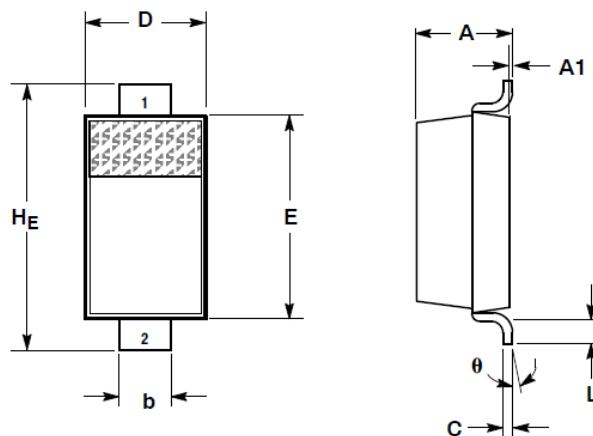
Characteristic		Symbol	Min	Typ	Max	Unit
Reverse Breakdown Voltage ($I_R = 10\ \mu\text{A}$)	MMSD301 MMSD701	$V_{(BR)R}$	30 70	— —	— —	Volts
Diode Capacitance ($V_R = 0$, $f = 1.0\ \text{MHz}$, Note 1)	MMSD301 MMSD701	C_T	— —	0.9 0.5	1.5 1.0	pF
Total Capacitance ($V_R = 15\ \text{Volts}$, $f = 1.0\ \text{MHz}$) ($V_R = 20\ \text{Volts}$, $f = 1.0\ \text{MHz}$)	MMSD301 MMSD701	C_T	— —	0.9 0.5	1.5 1.0	pF
Reverse Leakage ($V_R = 25\ \text{V}$) ($V_R = 35\ \text{V}$)	MMSD301 MMSD701	I_R	— —	13 9.0	200 200	nAdc nAdc
Forward Voltage ($I_F = 1.0\ \text{mAdc}$) ($I_F = 10\ \text{mA}$) ($I_F = 1.0\ \text{mAdc}$) ($I_F = 10\ \text{mA}$)	MMSD301 MMSD701	V_F	— — — —	0.38 0.52 0.42 0.7	0.45 0.6 0.5 1.0	Vdc



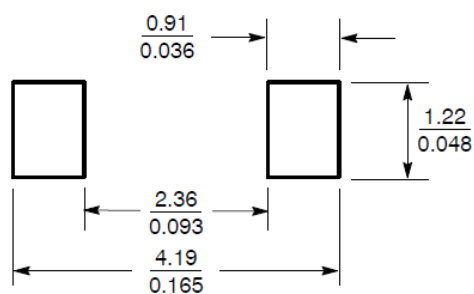




PACKAGE DIMENSIONS



SOLDERING FOOTPRINT*



- NOTES:
1. DIMENSIONING AND TOLERANCING PER ANSI Y14.5M, 1982.
 2. CONTROLLING DIMENSION: INCH.

DIM	MILLIMETERS			INCHES		
	MIN	NOM	MAX	MIN	NOM	MAX
A	0.94	1.17	1.35	0.037	0.046	0.053
A1	0.00	0.05	0.10	0.000	0.002	0.004
b	0.51	0.61	0.71	0.020	0.024	0.028
c	---	---	0.15	---	---	0.006
D	1.40	1.60	1.80	0.055	0.063	0.071
E	2.54	2.69	2.84	0.100	0.106	0.112
H _E	3.56	3.68	3.86	0.140	0.145	0.152
L	0.25	---	---	0.010	---	---
θ	0	---	10°	0	---	10°