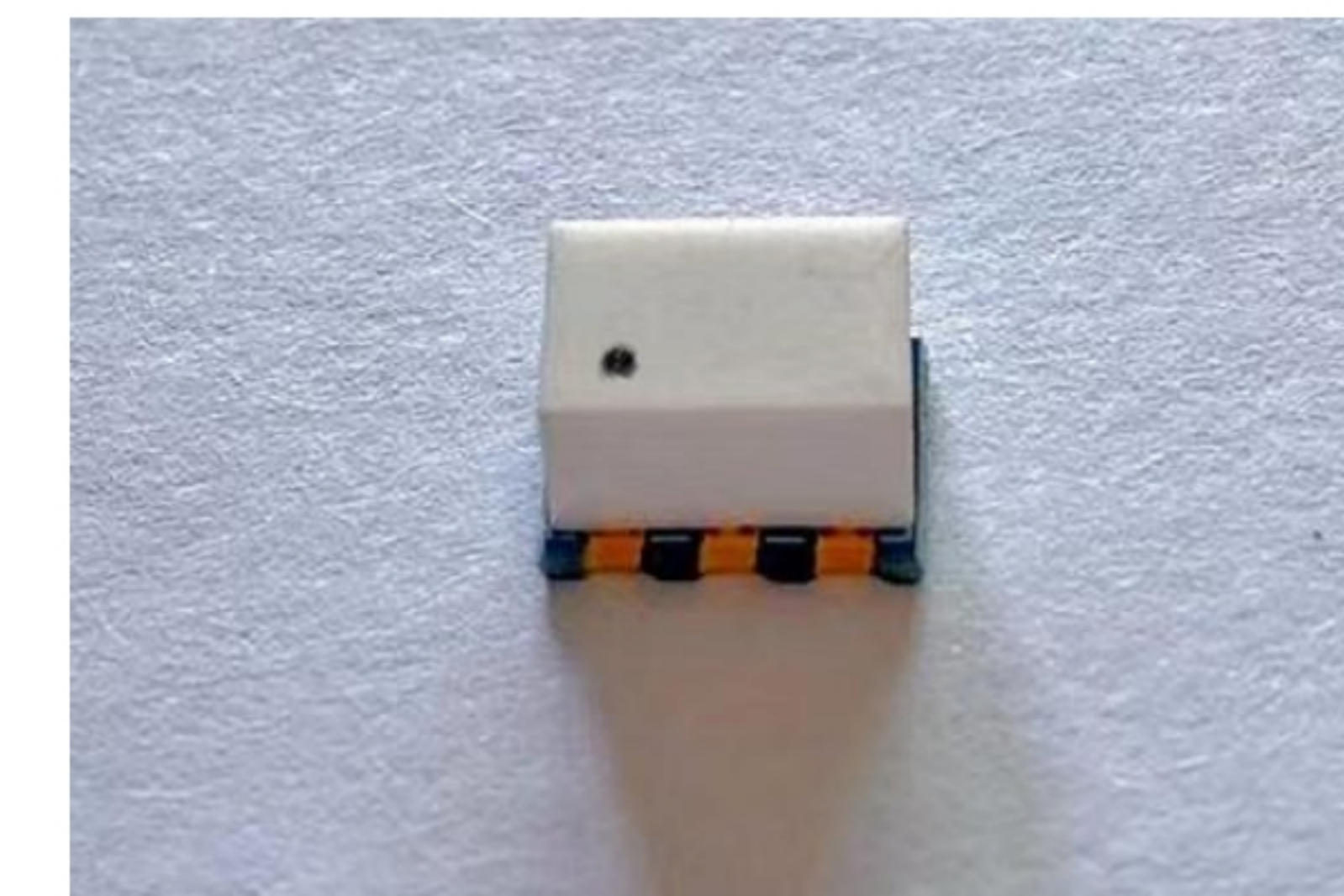


Features

- excellent return loss, 17 dB in 1 dB bandwidth
- excellent amplitude unbalance, 0.05 dB typ. in 1 dB bandwidth

Applications

- impedance matching
- balanced amplifier



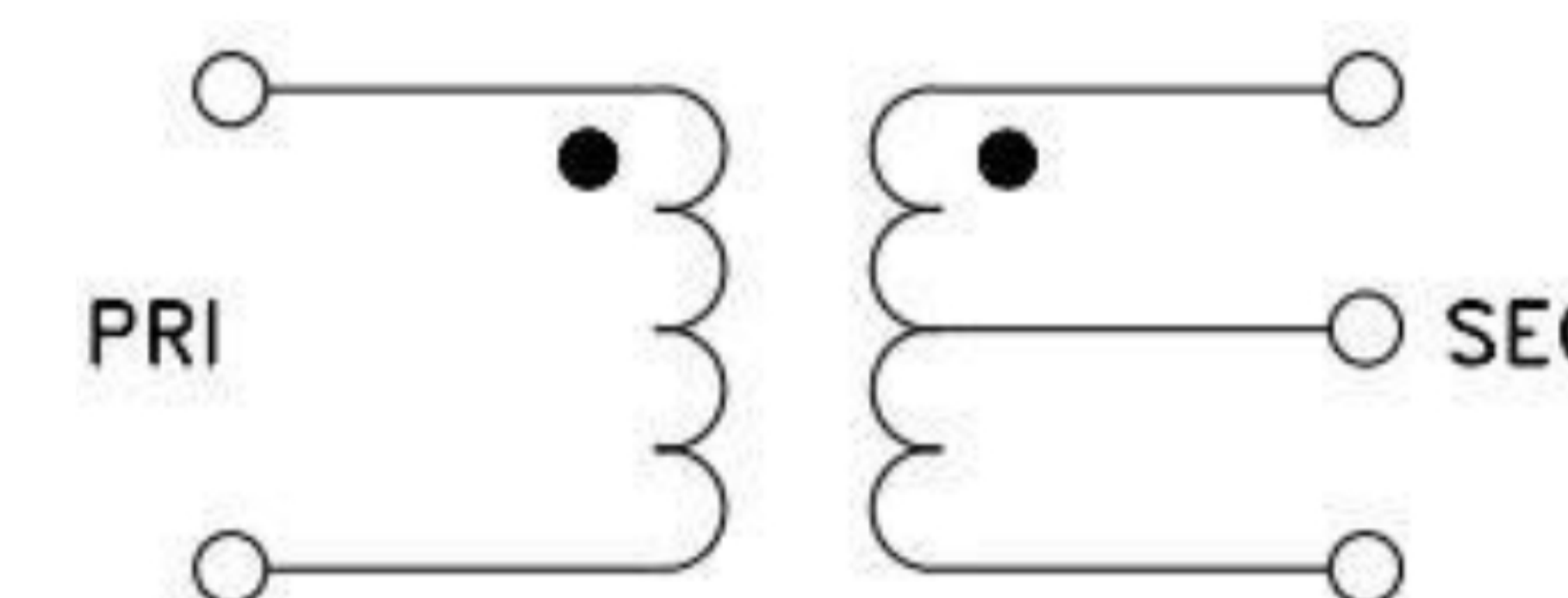
50Ω 0.015 to 100 MHz

Transformer Electrical Specifications

Ω RATIO	FREQUENCY (MHz)	INSERTION* LOSS (dB)			PHASE UNBALANCE AT (Deg.) Typ.		AMPLITUDE UNBALANCE (dB) Typ.	
		3dB	2dB	1dB	1dB	2dB	1dB	2dB
1	0.015-100	0.015-100	0.02-50	0.06-30	1	2	0.05	0.1

* Insertion Loss is referenced to mid-band loss, 0.2 dB typ.

Config. B



Typical Performance Data

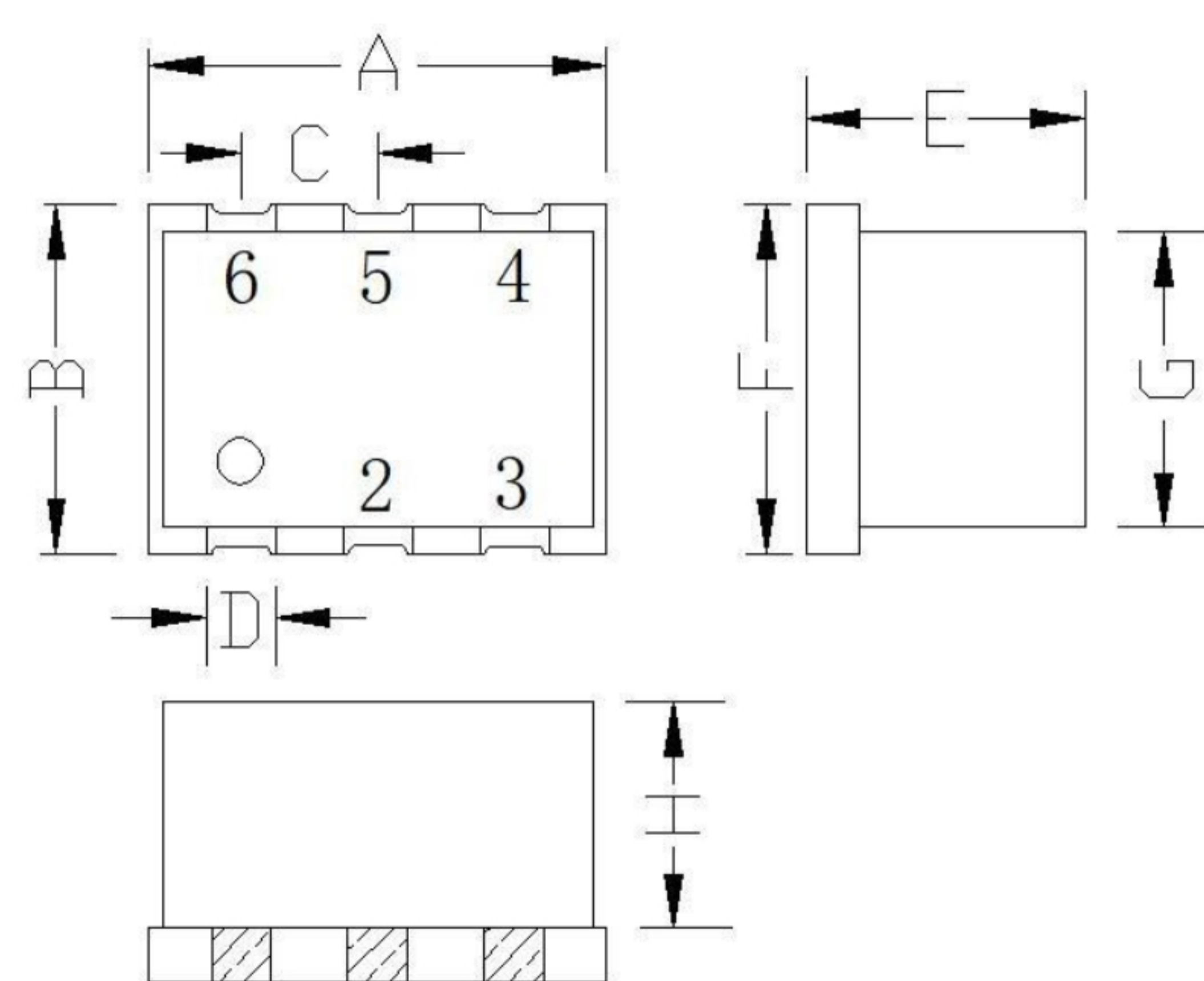
(TEST CONDITIONS: INPUT POWER = 0dBm @Temperature = +25°C)

FREQUENCY (MHz)	INSERTION LOSS (dB)	INPUT R. LOSS (dB)	AMPLITUDE UNBALANCE (dB)	PHASE UNBALANCE (Deg.)
0.01	0.38	14.28	0.00	0.06
0.02	0.22	18.11	0.01	0.09
0.04	0.13	24.32	0.01	0.04
0.07	0.11	27.99	0.01	0.00
0.10	0.11	31.41	0.01	0.02
0.46	0.10	39.93	0.00	0.01
20.60	0.28	18.99	0.02	0.08
30.40	0.37	16.05	0.05	0.13
50.00	0.59	12.28	0.14	0.32
110.00	1.59	6.70	0.77	1.63

Maximum Ratings

Operating Temperature	-20°C to 85°C
Storage Temperature	-55°C to 150°C
RF Power Input*	0.25W
DC Current	30mA
Permanent damage may occur if any of these limits are exceeded.	

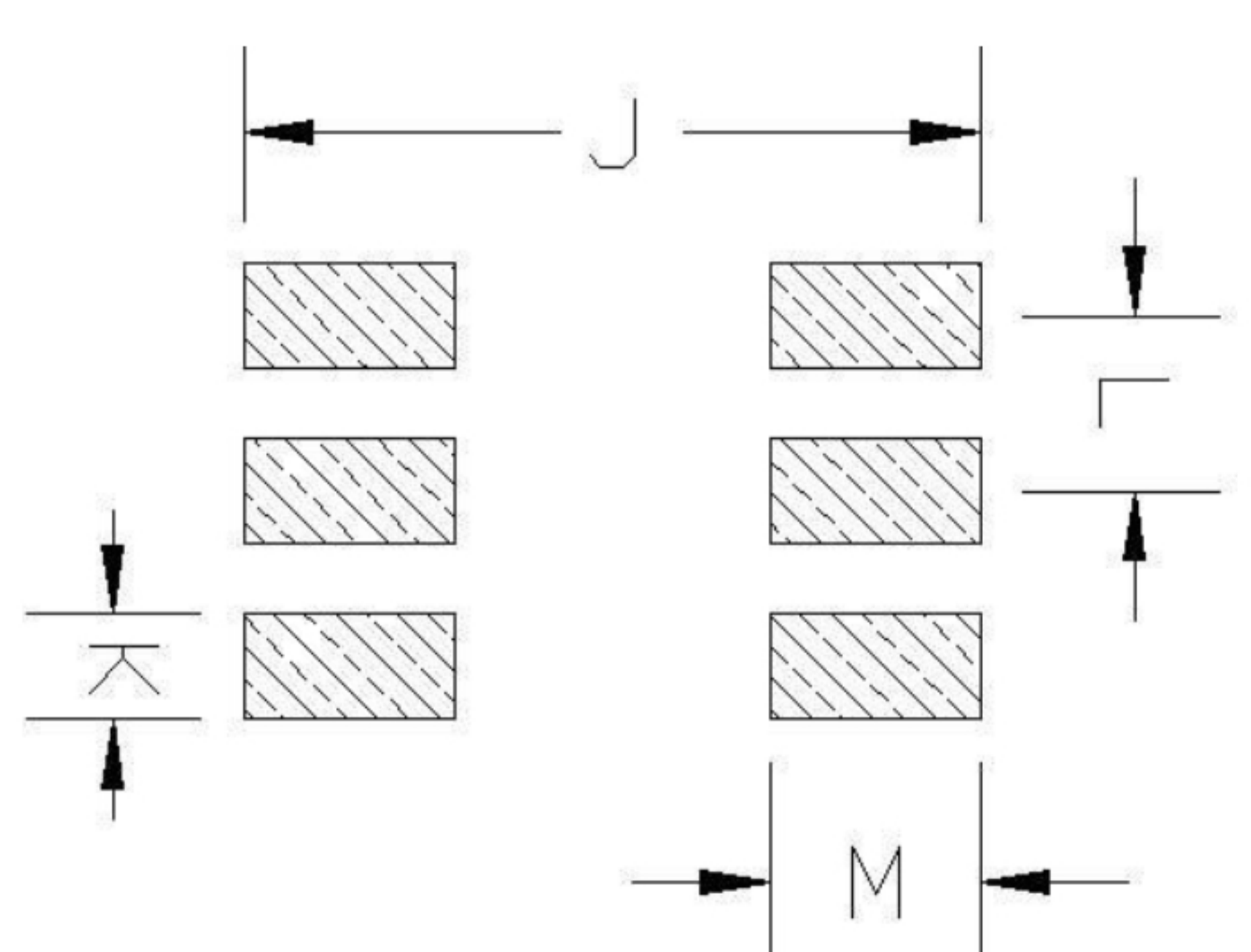
Outline Drawing



Pin Connections

PRIMARY DOT	3
PRIMARY	1
PRIMARY CT	2
SECONDARY DOT	4
SECONDARY	6
SECONDARY CT	5

PCB Land Pattern



Suggested Layout, Tolerance to be within ±.002

Outline Dimensions: Unit (mm)

A	8.70	J	8.00
B	6.50	K	1.50
C	2.54	G	5.50
D	1.30	H	4.30
E	5.40	L	2.54
F	6.50	M	2.00
WT	0.4g		

