Current Sense Transformers - EE5 Series

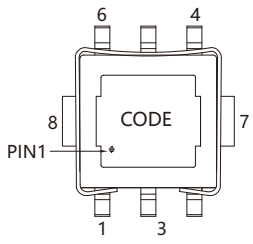
Meisongbei

RoHS Compliant
Operating Temperature -40°C to +125°C
500Vrms isolation between windings
Frequency up to 1MHz
10A typical rated current on primary (up to 20A)

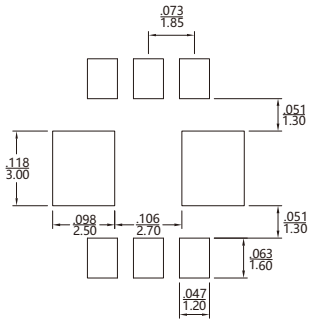
Electrical Specifications @25							
Part Number	Code	Turns Ratio Pri. : Sec.	Secondary Inductance Min.(μH)	DCR		Volt-time product on Sec. Max.(V-μsec)	Terminating Resistance (1VSec./20APri.) (Ω)
				Pri. Ref.(mΩ).	Sec. Max.(Ω)		
MCS0007-50	020	1:20	81	7	0.40	10.8	1.00
MCS0008-50	030	1:30	180	7	0.87	16.2	1.50
MCS0009-50	040	1:40	320	7	1.14	21.6	2.00
MCS0010-50	050	1:50	500	7	1.50	27.0	2.50
MCS0011-50	060	1:60	730	7	1.98	32.4	3.00
MCS0012-50	070	1:70	980	7	4.75	37.8	3.50
MCS0013-50	100	1:100	2000	7	5.50	54.0	5.00
MCS0015-50	125	1:125	3000	7	7.00	67.5	6.25

Dimensions

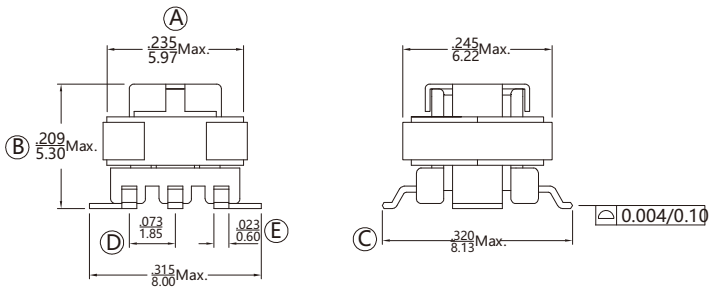
(Units: $\frac{\text{Inches}}{\text{mm}}$, Unless otherwise specified, all tolerances are $\pm \frac{.010}{0.25}$)



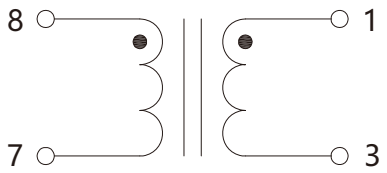
TOP VIEW



SUGGESTED PAD LAYOUT



Schematic



Mark

Code----Number of turns on secondary

Current Sense Transformers - EF12 Series

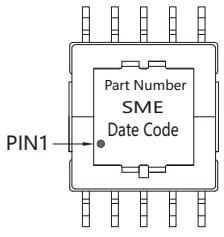
Meisongbei

RoHS Compliant
Operating Temperature -40°C to +125°C
500Vrms isolation between windings
Frequency up to 1MHz
Up to 40A of rated current on primary

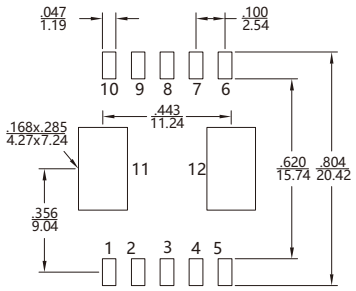
Electrical Specifications @25						
Part Number	Turns Ratio Pri. : Sec.	Secondary Inductance Min.(mH)	D.C.R.		Volt-time product on Sec. Max.(V-µsec)	Terminating Resistance (1VSec./40APri.) (Ω)
			Pri. Ref.(mΩ).	Sec. Max.(Ω)		
MCS0027-50	1:20	0.34	1	0.180	50.8	0.5
MCS0028-50	1:30	0.76	1	0.265	76.2	0.8
MCS0029-50	1:40	1.36	1	0.560	101.6	1.0
MCS0030-50	1:50	2.12	1	0.705	127.0	1.3
MCS0031-50	1:60	3.06	1	0.850	152.4	1.5
MCS0032-50	1:70	4.16	1	1.00	177.8	1.8
MCS0033-50	1:80	5.44	1	1.15	203.2	2.0
MCS0035-50	1:100	8.50	1	1.45	254.0	2.5
MCS0036-50	1:125	13.3	1	1.85	317.5	3.1
MCS0037-50	1:150	19.2	1	2.25	381.0	3.8
MCS0038-50	1:200	34.0	1	4.06	508.0	5.0

Dimensions

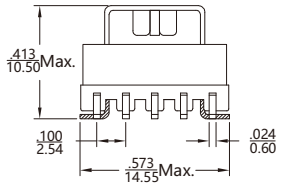
(Units: Inches / mm , Unless otherwise specified, all tolerances are ± .010 / 0.25)

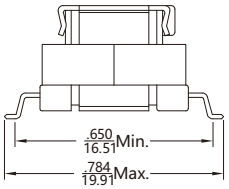


TOP VIEW



SUGGESTED PAD LAYOUT





Schematic

