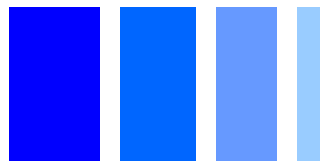


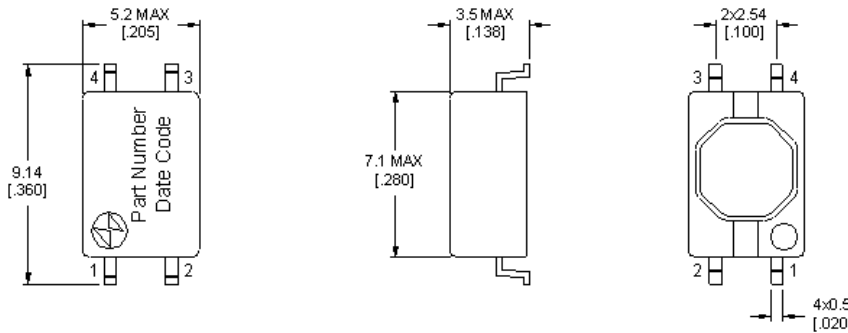
ESMIT-4180/A type CBM5D33



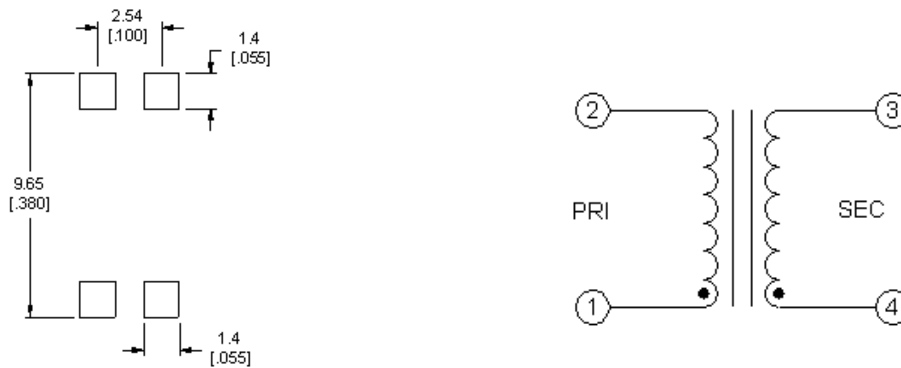
Features:

- Reference Design in Freescale HV/EV Battery Management System MC33771 and MC33664
- Automotive and Industrial Applications
- Low Profile
- Qualified to AEC-Q200
- High Voltage Isolation 3750Vrms
- Operating Temperature: -40°C to +105°C

Dimensions – mm [inch]



Recommended PCB Pad Layout - mm [inch]



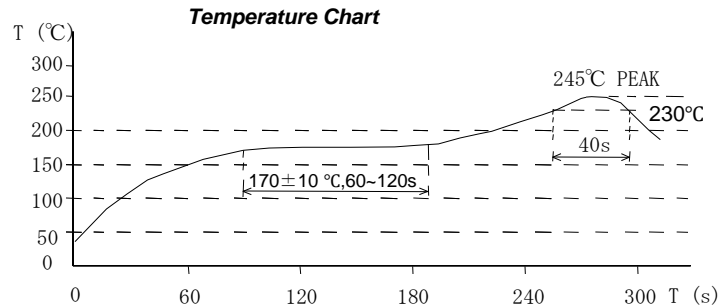
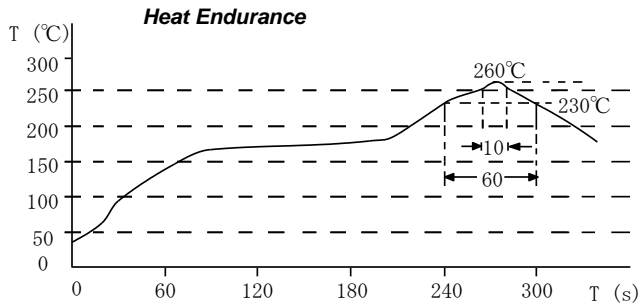
Electrical Characteristics @ 25 °C

PARAMETER	CONDITIONS	VALUE	UNITS	TOLERANCE
Inductance (OCL)	100 kHz, 0.1 V, (1-2)	120	μH	Min.
Turns Ratio (T/R)	(1-2):(4-3)	1:1	N/A	± 2%
DC Resistance (DCR)	(1-2)	0.25	Ω	Max.
	(4-3)	0.25	Ω	Max.
Dielectric Breakdown Isolation (equivalent to 1 min, 3000 Vrms)	1 sec, (1-4)	3750	Vrms	Min.
Operating Temperature		-20 to +105	°C	Nom.

ESMIT-4180/A type CBM5D33



Soldering Reflow Profile



Please refer to the sales offices on our website - <http://www.sumida.com>

Hong Kong

Tel.+852-2880-6781
FAX.+852-2565-9600
sales@hk.sumida.com

Saitama (Japan)

Tel.+81-48-691-7300
FAX.+81-48-691-7340
sales@jp.sumida.com

Chicago

Tel.+1-847-545-6700
FAX. +1-847-545-6720
sales@us.sumida.com

Shanghai

Tel.+86-021-5836-3299
FAX.+86-021-5836-3266
shanghai.sales@cn.sumida.com

Seoul

Tel.+82-2-6237-0777
FAX.+82-2-6237-0778
sales@kr.sumida.com

Oberzell

Tel.+49-8591-937-0
FAX. +49-8591-937-103
contact@sumida-eu.com

Shenzhen

Tel.+86-755-8291-0228
FAX.+86-755-8291-0338
shenzhen.sales@cn.sumida.com

Singapore

Tel.+65-6296-3388
FAX.+65-6841-4426
sales@sg.sumida.com

Neumarkt

Tel.+49-9181-4509-110
FAX. +49-9181-4509-310
infocomp@eu.sumida.com

Taipei

Tel.+886-2-8751-2737
FAX.+886-2-8751-2738
sales@tw.sumida.com

San Jose

Tel.+1-408-321-9660
FAX.+1-408-321-9308
sales@us.sumida.com