NXP Approved BMS Transformers

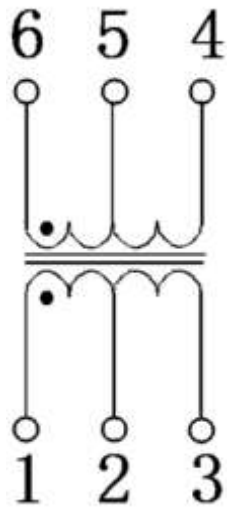
Features:

- **Fully qualified with leading BMS Silicon from NXP**
- **Transformer only design provides flexible PCB layout**
- **Automated Winding and Production Process**
- **AEC-Q200 qualified, RoHS and REACh Compliant**
- **Operating Temperature: -40 to +125℃**

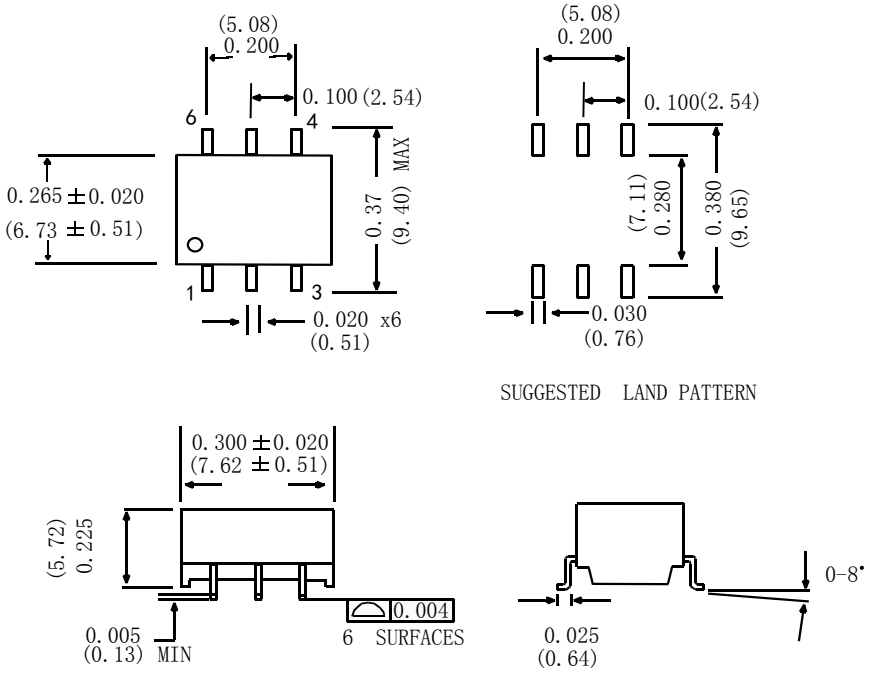
Electrical Specifications @ 25℃

Part Number		6HM02
Inductance(100kHz, 100m)		150 uH min, 450 uH max
Number of Channels		Single
Choke fitted		No
Isolation breakdown (Pri:Sec)		4300VDC/60sec
Working Voltage		1000VDC
Qualified BMS Silicon		NXP-MC33774x
Leakage Inductance(Max)		0.50uH@100kHz
Winding DCR(Ω)	PHY Side	0.45 max
	Line Side	0.45 max
Insertion Loss		0.25dB max @ 4MHz
Return Loss		20dB min @ 4MHz
Insulation Resistance(M0hms)		400 min

Schematic



Mechanicals



NOTE:Dimensions:inches/(mm) unless otherwise specified all tolerances are±0.010(0.25)

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