# MGV2520121R5M-10

### PHYSICAL DIMENSIONS:

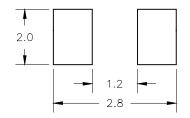
A  $2.50 \pm 0.20$ 

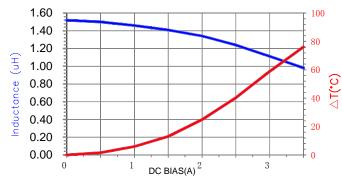
 $B 2.00 \pm 0.20$ 

C 1.20 Max.

 $D = 0.60 \pm 0.30$ 

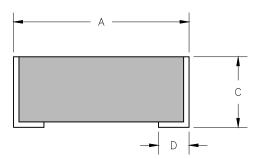
### LAND PATTERNS FOR REFLOW SOLDERING



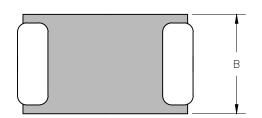


## ELECTRICAL SPECIFICATION @ 25°C

	Min	Norm	Max
INDUCTANCE (uH) L @ 1MHz/1mA ±20%	1.20	1.50	1.80
DCR $(\Omega)$		0.064	0.077
Saturation Current Isat (A)		3.20	2.91
Heating Current Irms (A)		2.50	2.27







#### NOTES:

- 1. COMPONENTS SHOULD BE ADEQUATELY PREHEATED BEFORE SOLDERING.
- 2. TERMINATION FINISH IS 100% TIN.
- 3. OPERATING TEMPERATURE RANGE:  $-40^{\circ}\text{C} \sim +125^{\circ}\text{C}$ .
- 4. STORAGE TEMPERATURE RANGE:  $-50^{\circ}$ C  $\sim +125^{\circ}$ C.
- 5. ISat MEANS THAT MAX DC CURRENT WILL CAUSE A PROXIMATELY 30% INDUCTANCE REDUCTION FROM INITIAL VALUE.
- 6. Irms MEANS THAT MAX DC CURRENT WILL CAUSE PROXIMATELY 40°C TEMPERATURE RISE FROM 25±5°C AMBIENT.

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