

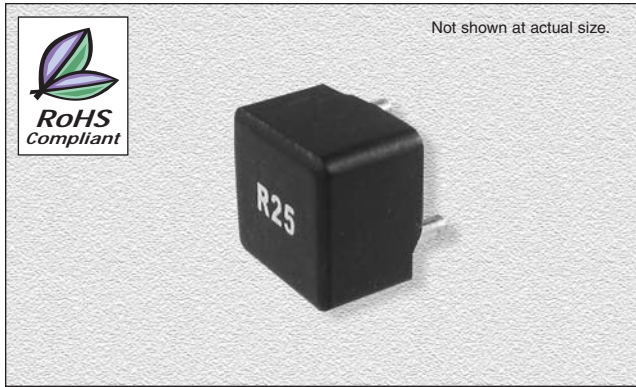
# CTSDM129NF Series

From 0.25  $\mu\text{H}$  to 0.68  $\mu\text{H}$

## SPECIFICATIONS

Parts are only available in  $\pm 20\%$  inductance tolerance.  
 Irms: Will cause an approximate temp rise of  $\leq 40^\circ\text{C}$   
 Isat: Will cause LOA to drop approximately 20% typ.

Part Number	Inductance ( $\mu\text{H}$ )	Test Freq. (kHz)	Q Min.	DCR Max.. (m $\Omega$ )	Irms Typ.. (A)	Isat Max. (A)
CTSDM129NF-R25M	0.25	100	25	0.60	40	45
CTSDM129NF-R30M	0.30	100	20	0.60	30	40
CTSDM129NF-R47M	0.47	100	20	0.80	35	40
CTSDM129NF-R50M	0.50	100	25	0.80	38	42
CTSDM129NF-R60M	0.60	100	20	0.55	30	40
CTSDM129NF-R68M	0.68	100	25	1.00	35	40



## CHARACTERISTICS

**Description:** DIP (shielded) power inductor

**Applications:** Power line DC/DC converter applications used in power switching, personal computers & other hand held electronic equipment.

**Operating Temperature:**  $-25^\circ\text{C}$  to  $+125^\circ\text{C}$

**Inductance Tolerance:**  $\pm 20\%$

**Testing:** Inductance is tested on an HP4284A at 100kHz, 1.0Vdc

**Packaging:** Bulk

**Marking:** Marked with inductance code

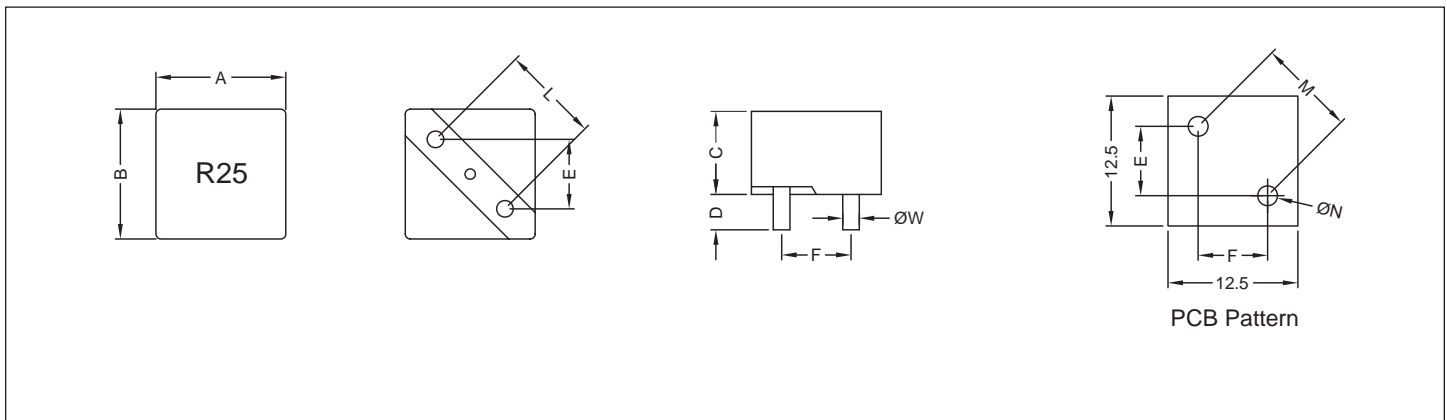
**Miscellaneous:** RoHS Compliant

**Additional Information:** Additional electrical & physical information available upon request

**Samples available. See website for ordering information.**

## PHYSICAL DIMENSIONS & RECOMMENDED LAND PATTERN (mm)

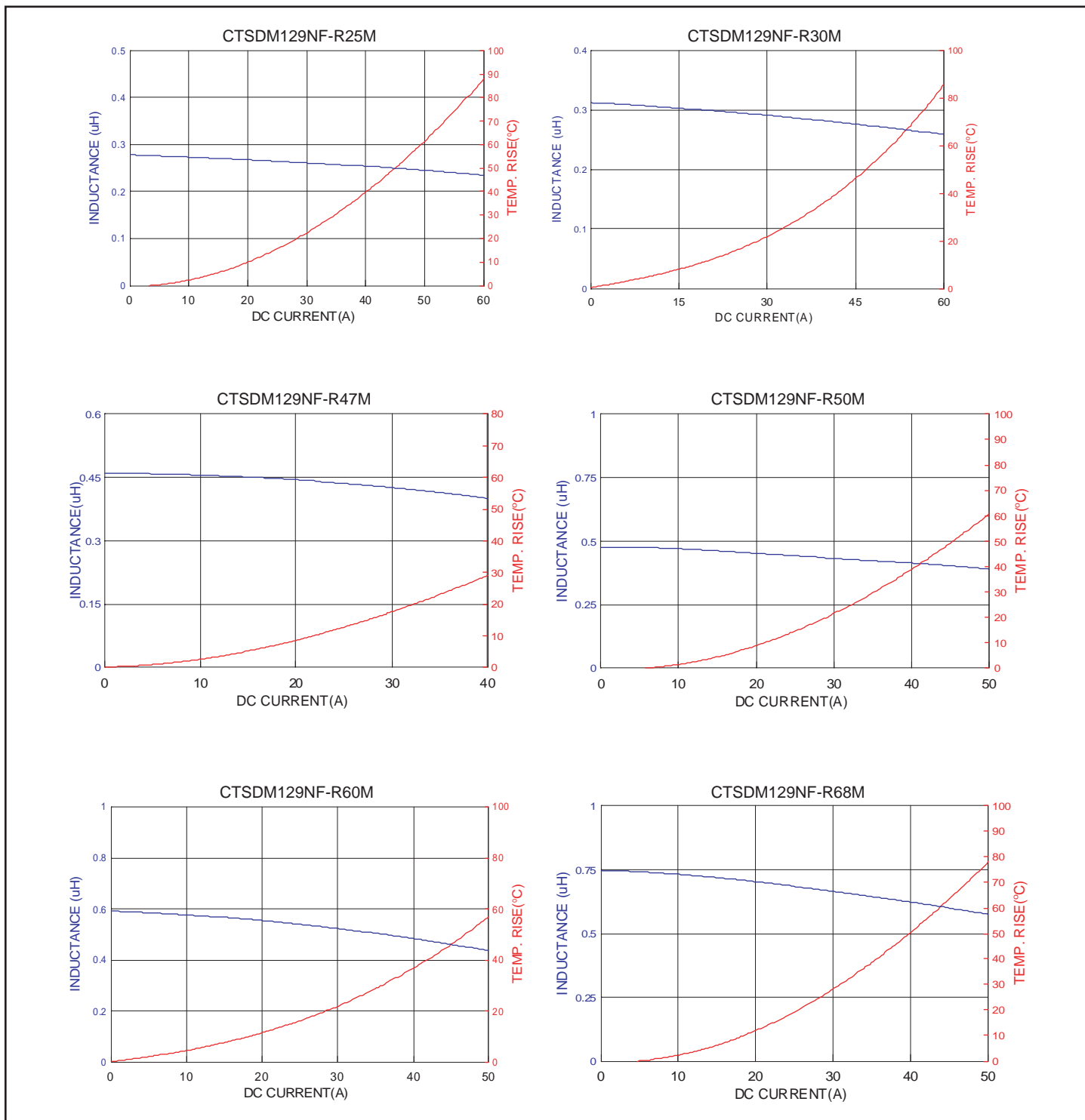
P/N	A Max.	B Max.	C Max.	D	E	F	W	L	M Ref.	N Ref.
R25/R47/R50/R68	12.5	12.5	10.5	3.4 $\pm$ 0.5	6.68 $\pm$ 0.5	6.68 $\pm$ 0.5	1.6 $\pm$ 0.1	9.45 $\pm$ 0.5	9.45	1.9
R30/R60	12.5	12.5	10.5	3.4 $\pm$ 0.5	6.0 $\pm$ 0.5	7.3 $\pm$ 0.5	1.6 $\pm$ 0.1	9.45 $\pm$ 0.5	9.45	1.9



10.03.08

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### DC CURRENT vs INDUCTANCE & TEMPERATURE RISE



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