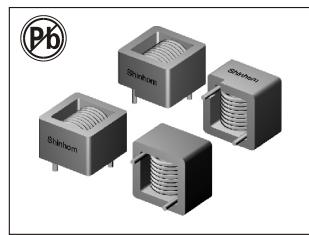


# ON-BOARD TYPE HIGH CURRENT POWER INDUCTORS

## HR 118S, HR 1320 SERIES



### FEATURES:

- Lowest Height (9.0mm/max)(HR 118S Series) (10.0mm/max)(HR 1320 Series) in this package footprint.
- Shielded Construction.(HR Series)
- Lowest DCR/  $\mu$  H,in this package size.
- Handles High Transient Current Spikes Without Saturation.
- The Products Contain no Lead and also Support Lead-free Soldering.

### OPTIONS:

- Tape & Reel is Standard Bulk packaging Available for Smaller Quantities
- Tolerance:  $M = \pm 20\%$  Standard, Tighter Tolerances Available

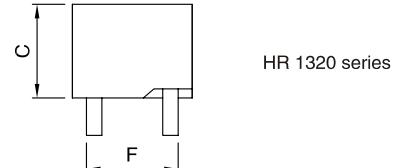
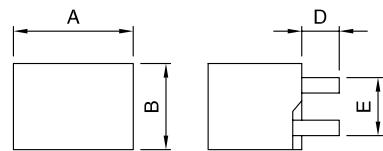
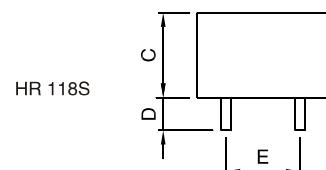
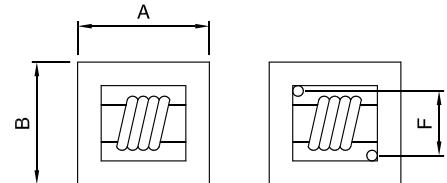
### COMMON APPLICATIONS:

- Power Line Filter for DC-DC Converter.
- Switching Power Supplier.
- Personal Computers and Other handheld Electronic Equipment.

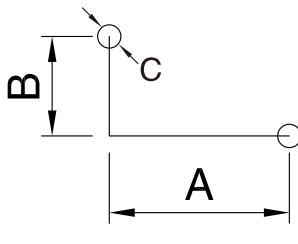
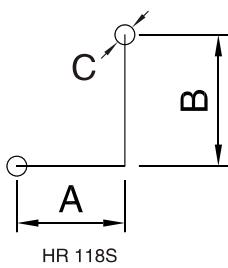
### ELECTRICAL CHARACTERISTICS:

Part Number	Inductance $L_0$ ( $\mu$ H)	Test Frequency (Hz)Max	DCR (m $\Omega$ )Max	$I_{rms}$ (A) max.	$I_{sat}$ (A) max.
HR 118S-2R0M	$2.00 \pm 20\%$	0.25V/100K	3.5	15	20
HR 1320-R40M	$0.40 \pm 20\%$	0.25V/100K	1.0	38	48
HR 1320-R50M	$0.50 \pm 20\%$	0.25V/100K	1.3	35	45

### PHYSICAL CHARACTERISTICS



### SOLDERING AND MOUNTING



Land Patterns For Reflow Soldering			
Size	A(mm)	B(mm)	C(mm)
HR 118S	$6.0 \pm 0.5$	$7.3 \pm 0.5$	1.0max
HR 1320 series	$8.5 \pm 0.2$	$4.7 \pm 0.2$	$2.0 \pm 0.2$

Note:All specifications subject to change without notice.