

# Planar Power Inductors



## HIGH CURRENT SURFACE-MOUNT POWER INDUCTORS FACEP 104,105,124,125 HT SERIES

### FEATURES:

High Frequency Design  
Shielded Construction  
Flat wire used  
Excellent Thermal Stability  
Low Profile, Low DCR.  
Super Large Current up to 28A  
Custom Inductors are available

### OPTIONS:

Tape & Reel is Standard  
(Qty:600pcs.)  
Bulk packaging Available  
for Smaller Quantities  
Tolerance:M=20%,N=30% is  
Standard, Tighter Tolerances Available

### COMMON APPLICATIONS:

Notebook, DC/DC Converters  
Communication System  
Automotive Systems Power supplier  
LCD PDP Televisions  
Network Systems  
Computer Peripheral Equipment  
CPU Power Supply

### ELECTRICAL CHARACTERISTICS:

Part Number	Inductance (uH)	DCR (m Max)	Isat (A)	Irms (A)
FACEP104HT-0R36N	0.36 30%	1.7	26.0	23.0
FACEP104HT-0R80M	0.80 20%	3.9	17.0	15.0
FACEP104HT-1R4M	1.40 20%	4.4	14.0	13.0
FACEP104HT-2R2M	2.20 20%	8.7	10.0	9.5
FACEP104HT-3R2M	3.20 20%	10.4	8.0	8.0
FACEP105HT-0R36N	0.36 30%	1.7	26.0	28.0
FACEP105HT-0R80M	0.80 20%	2.5	18.0	20.0
FACEP105HT-1R4M	1.40 20%	3.2	14.0	16.0
FACEP105HT-2R2M	2.20 20%	5.8	10.0	12.0
FACEP105HT-3R2M	3.20 20%	7.2	9.0	11.0
FACEP105HT-4R3M	4.30 20%	8.5	8.0	10.0
FACEP105HT-5R7M	5.70 20%	13.2	7.0	7.6
FACEP105HT-7R2M	7.20 20%	15.5	6.2	7.0

Part Number	Inductance (uH)	DCR (m Max)	Isat (A)	Irms (A)
FACEP105HT-8R8M	8.80 20%	17.2	5.6	6.0
FACEP124HT-0R75M	0.75 20%	3.0	14.0	13.0
FACEP124HT-1R3M	1.30 20%	4.5	13.0	12.0
FACEP124HT-2R0M	2.00 20%	6.0	11.0	10.0
FACEP125HT-0R90N	0.90 30%	2.5	20.0	18.0
FACEP125HT-1R4N	1.40 30%	3.4	16.0	15.0
FACEP125HT-2R0N	2.00 30%	4.6	13.0	12.0
FACEP125HT-3R2N	3.50 30%	9.0	9.0	8.6
FACEP125HT-4R6N	4.80 30%	10.5	7.2	8.2
FACEP125HT-6R4N	6.80 30%	11.0	6.0	7.8
FACEP125HT-8R2N	8.60 30%	12.0	5.4	7.2
FACEP125HT-10R0N	10.5 30%	13.5	4.7	6.5

Note:1. K= 10%,M= 20%,N= 30%

### TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

Inductance Testing: HP4284A, 100kHz/1V or equivalent

RDC:QuadTech 1880 Milliohmmer

Isat Current L value drop 65% typ.at

I<sub>DC</sub> against its initial value

Irms Temperature rise 40 Max Reference

Ambient temperature

Solderability: 75% of the lead wire Shall be covered

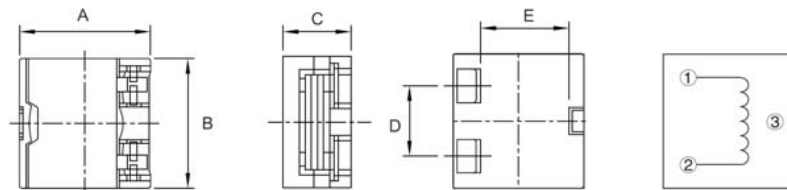
Soldering Methods: Wave,Reflow

Operating Temperature:-40 to +105

Storage Temperature: -55 to +125

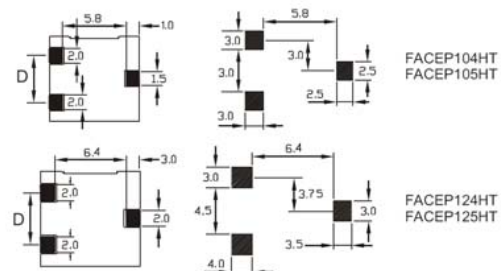
Terminal bending strength:24.5N Min

Moisture resistance: L/L 10% Q/Q 25%



Dimensions(mm)

Part Number	A	B	C	D	E
FACEP104HT	11.0 0.30	9.35 0.30	4.50 0.30	6.00 ref.	5.80 ref.
FACEP105HT	11.0 0.30	9.35 0.30	5.50 0.30	6.00 ref.	5.80 ref.
FACEP124HT	12.5 0.30	12.5 0.30	4.0 0.30	7.50 ref.	6.40 ref.
FACEP125HT	12.5 0.30	12.5 0.30	5.0 0.30	7.50 ref.	6.40 ref.



LAND PATTERN

Note:All specifications subject to change without notice.