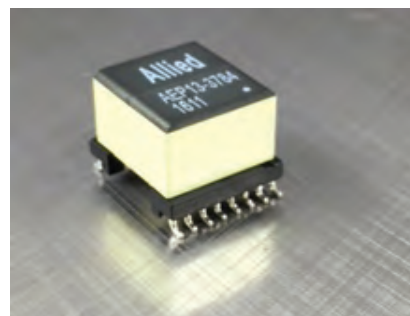




EP13 VDSL Transformer

AEP13-3784

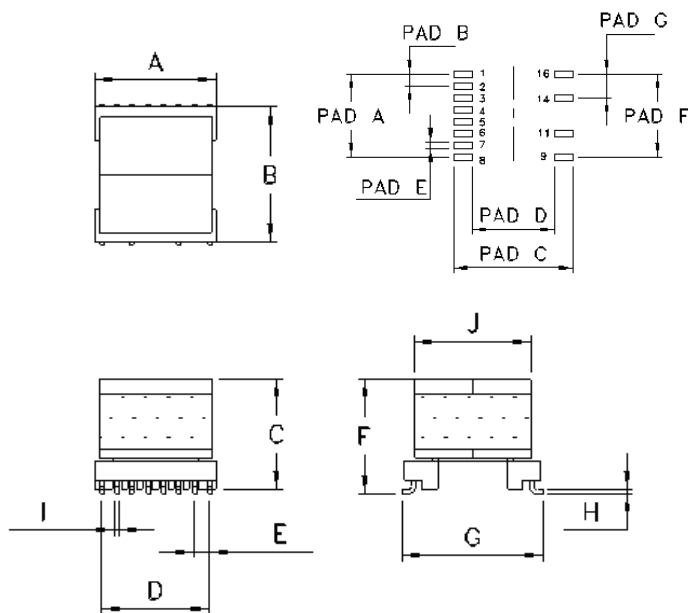
- Small EP13 Package in SMD Type
- Maximum reflow temperature is 250°C/-5°C for 20-40 sec. (Refer to IPC/JEDEC J-STD-02C Standard)
- Built in accordance with UL60950-1 under UL File #E483181
- Also meets basic insulation standards of : CSA60950-1 EN60950-1, IEC60950-1 with working voltage of 250V
- Operating Temperature range: -40°C to + 85°C
- Broadcom BCM6368



Electrical Specifications @25°C					
Turn Ratio (16-9):(5-8) , (11+14, 6+7 short)	Turn Ratio (16-9):(5-8) , (11+14, 6+7 short)	Inductance @ 10KHz , 0.1V (16-9), (14+11 short)	Leakage Inductance @ 100KHz , 0.1V (16-9) (11+14, 1+2+3+4 short)	Interwinding Capacitance @ 100KHz , 0.1V (1-8) (11+14, 5+6+7+8 short)	
1 : 1 (±2%)	4.25 : 1 (±2%)	400uH (±10%)	2.4uH max	1.5uH max	
DCR (1-4) (1+2,3+ short)	DCR (5-8) (6+7 short)	DCR (16-9) (11+14 short)	THD @ 30KHz , 3.0Vrms (16-9):(1-4), 2+3,11+14 short)	THD @ 30KHz , 3.0Vrms (16-9):(1-4), 2+3,11+14 short)	Isolation Voltage Vac (Sec, 1mA) Pri-Sec
1 : 1 (±2%)	4.4 Ω max	3.0 Ω max	-85 dB min	-85 dB min	1875 VAC/60Hz

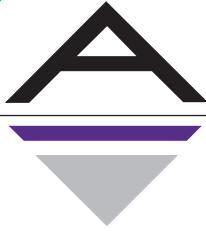
All specifications subject to change without notice.

MECHANICAL

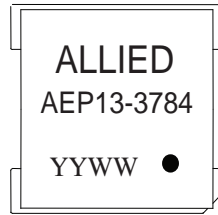


Unit	mm	inch
A	14.0 max.	0.551 max.
B	15.5 max.	0.610 max.
C	12.8 max.	0.503 max.
D	11.9	0.468
E	1.7	0.067
F	13.5 max.	0.531 max.
G	15.6	0.614
H	0.5	0.019
I	0.5	0.019
J	15.1 max.	0.594
PAD A	11.9	0.469
PAD B	1.7	0.067
PAD C	17.0	0.669
PAD D	11.7	0.460
PAD E	1.0	0.039
PAD F	11.9	0.468
PAD G	3.4	0.133

Unless otherwise specified, all tolerances are
 $\pm 0.25 \text{ mm}$
 $\pm 0.01 \text{ inch}$



MARKING



Remark:
YYWW=DATE CODE
YY=YEAR; WW=WEEK

SCHEMATICS

