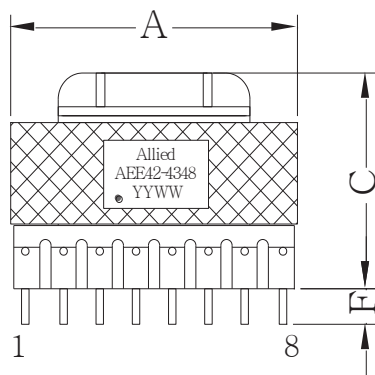
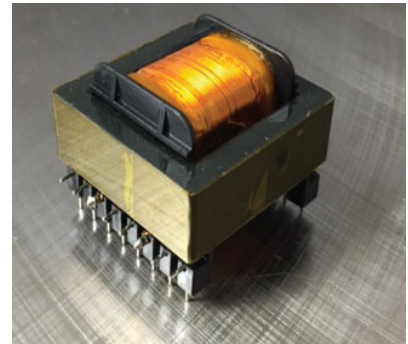




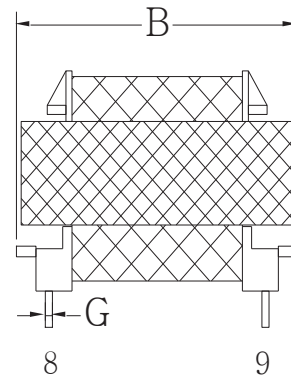
EE42 Transformer

AEE42-4348

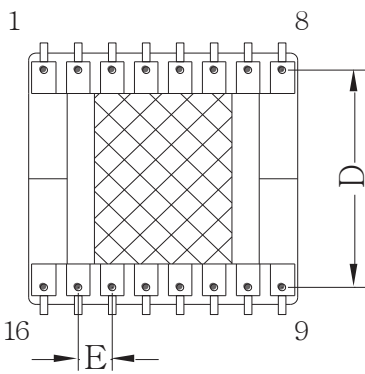
- EE42 Through Hole Design
- 2500V Hi-Pot
- UL94V-0 Rated Materials



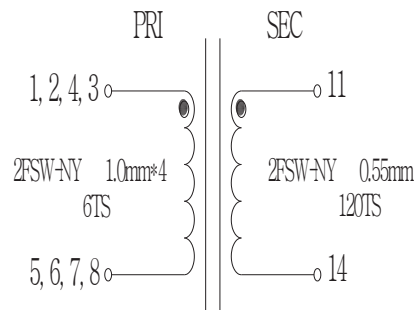
FRONT VIEW



SIDE VIEW



BOTTOM VIEW



SCHEMATIC

UNIT: mm

A	B	C	D	E	F	G
43.50	47.25	33.0	36.0	5.0	3.50	Φ0.80
MAX	MAX	MAX	±0.50	±0.50	±0.50	±0.12



TEST CONDITION : TEMPERATURE AT 20° C.

NO.	PARAMETER	TERMINAL	SPECIFICATION	TEST INSTRUMENTS
1	INDUCTANCE AT 50KHz,1.0V	L(1-5)	4.0uH ± 10%	DU7200
2	LEAKAGE INDUCTANCE AT 100KHz,0.1V	LK(1-5)	0.3uH MAX (SHORT SEC)	DU7200
3	DC RESISTANCE	R(1, 2, 4, 3 -5, 6, 7, 8)	3.0mΩ MAX	DU7200
		R(11-14)	1.2Ω MAX	
4	Q AT 50KHz,1.0V	(1-5)	15.0 MIN	
5	HI-POT	PRI - SEC	2500VAC/1SEC	YH-650 INSULATION TESTER
6	TURNS RATIO AT 15.75KHz,1.0V	(11-14) : (1-5) : (2-6) : (4-7) : (3-8)	1.0 : 0.05 : 0.05 : 0.05 : 0.05 ± 2%	DU7200
7	Cw/w AT 100KHz,0.1V	(1-11)	120pF MAX (SHORT PRI, SEC)	DU7200



TEST CONDITION : TEMPERATURE :20°C

PARAMETER	TERMINAL	SPECIFICATION	01	02	03	04	05	06	07	08
INDUCTANCE AT 50KHz,1.0V	L(1-5)	4.0uH ± 10%	4.10	4.08	4.09	4.02	4.01	4.03	4.01	4.01
LEAKAGE INDUCTANCE AT 100KHz,0.1V	LK(1-5)	0.3uH MAX (SHORT SEC)	0.15	0.15	0.16	0.18	0.18	0.14	0.13	0.16
DC RESISTANCE	R(1, 2, 4, 3 -5, 6, 7, 8)	3.0mΩ MAX	1.45	1.63	1.68	1.76	1.66	1.72	1.73	1.63
	R(11-14)	1.2Ω MAX	0.696	0.695	0.692	0.691	0.697	0.696	0.694	0.694
Q AT 50KHz,1.0V	(1-5)	15.0 MIN	25.5	19.3	20.1	23.5	19.9	20.0	24.8	22.2
HI-POT	PRI - SEC	2500VAC/1SEC	OK	OK	OK	OK	OK	OK	OK	OK
TURNS RATIO AT 15.75KHz,1.0V	(11-14) : (1-5) : (2-6) : (4-7) : (3-8)	1.0 : 0.05 : 0.05 : 0.05 : 0.05 ± 2%	OK	OK	OK	OK	OK	OK	OK	OK
Cw/w AT 100KHz,0.1V	(1-11)	120pF MAX (SHORT PRI, SEC)	98.1	97.4	102.2	89.7	110.3	104.5	102.0	93.2

NOTE:



DIMENSIONS (Unit:mm)

NO	SPEC	A	B	C	D	E	F	G		
	MAX	MAX	MAX	MAX	±0.50	±0.50	±0.50	Φ0.80 ±0.12		
01		42.18	46.81	31.64	36.35	4.89	3.53	0.82		
02		42.33	46.59	31.73	36.21	5.06	3.78	0.82		
03		42.25	46.78	31.69	36.31	5.03	3.75	0.81		
04		42.21	46.63	31.65	36.32	4.95	3.69	0.81		
05		42.29	46.68	31.63	36.25	4.97	3.59	0.81		
06		42.19	46.73	31.75	36.29	4.91	3.65	0.80		
07		42.15	46.75	31.71	36.23	5.01	3.71	0.79		
08		42.31	46.69	31.67	36.37	4.93	3.57	0.80		
09										
10										
11										

NOTE: