

# Audio Transformer

## - IOE57-70/8W



**INTER OUTSTANDING ELECTRONICS**



### Electrical Characteristics:

#### 1. IMPEDANCE :

AT 1kHz PRIMARY (SEC. @ 8 OHMS)		
8.0W	BLK-BRN	600 OHMS $\pm 10\%$
4.0W	BLK-RED	1200 OHMS $\pm 10\%$
2.0W	BLK-ORG	2400 OHMS $\pm 10\%$
1.0W	BLK-YEL	4800 OHMS $\pm 10\%$

#### 2. INDUCTANCE :

AT 1kHz PRIMARY		
8.0W	BLK-BRN	650 mH MIN.
4.0W	BLK-RED	1300 mH MIN.
2.0W	BLK-ORG	2600 mH MIN.
1.0W	BLK-YEL	5200 mH MIN.
AT 1kHz SECONDARY		
COM-8 OHMS		10.0 mH MIN.
COM-1.0 dB		15.0 mH MIN.

These data are for models selection. For detail specifications and customized requirement, please contact IOE

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### 3. D.C RESISTANCE :

PRIMARY		
8.0W	BLK-BRN	19 OHMS $\pm 20\%$
4.0W	BLK-RED	36 OHMS $\pm 20\%$
2.0W	BLK-ORG	60 OHMS $\pm 20\%$
1.0W	BLK-YEL	96 OHMS $\pm 20\%$
SECONDARY		
COM-8 OHMS		0.43 OHMS $\pm 20\%$
COM-0.5 dB		0.46 OHMS $\pm 20\%$
COM-1.0 dB		0.50 OHMS $\pm 20\%$

### 4. OUTPUT LOAD VOLTAGE :

AT 1kHz PRIMARY INPUT 70.7VAC (SEC @ 8 OHMS)

8.0W	BLK-BRN	7.32 VAC MIN.
4.0W	BLK-RED	5.17 VAC MIN
2.0W	BLK-ORG	3.66 VAC MIN
1.0W	BLK-YEL	2.58 VAC MIN

### 5. INPUT 70.7VAC :

AT 1kHz TO PRIMARY (SEC @ 8 OHMS) I(P)

8.0W	BLK-BRN	130.0mA MAX
4.0W	BLK-RED	65.00mA MAX
2.0W	BLK-ORG	32.50mA MAX
1.0W	BLK-YEL	16.25mA MAX

6. INSERTION LOSS: AT 1kHz 0.65dB MAX.

7. FREQUENCY RESPONSE : AT 50Hz to 15kHz  $\pm 2.00$ dB (REF 1kHz)

8. Hi-POT : PRI-SEC-CORE, 1000VAC/60 SECONDS

9. CORE : EI-57xH18A

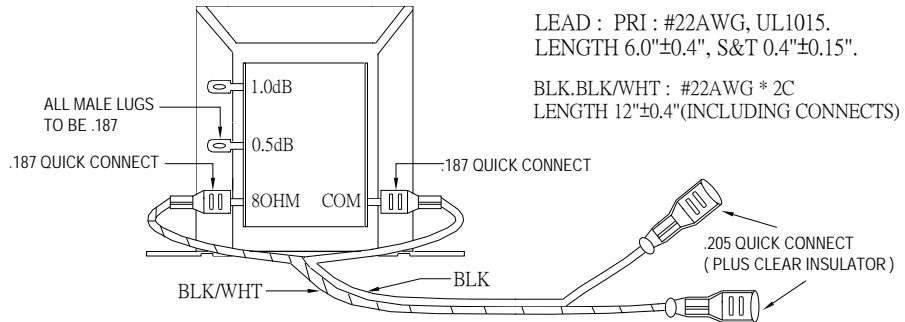
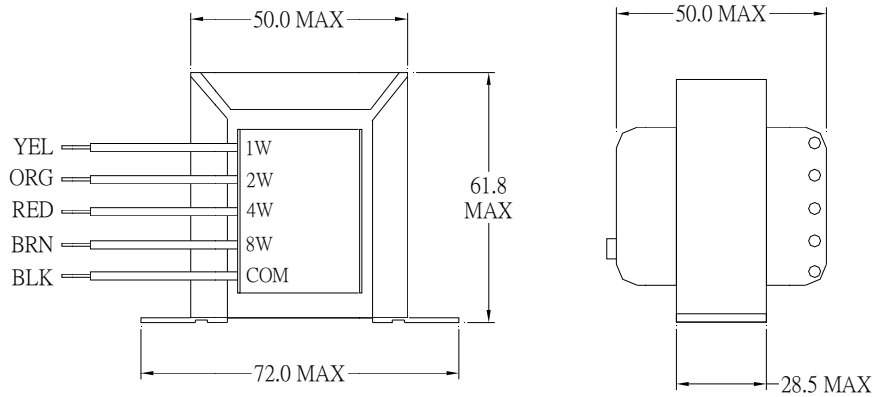
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### Mechanical Details:



LEAD : PRI : #22AWG, UL1015.  
LENGTH 6.0"±0.4", S&T 0.4"±0.15".

BLK.BLK/WHT : #22AWG \* 2C  
LENGTH 12"±0.4"(INCLUDING CONNECTS)

