



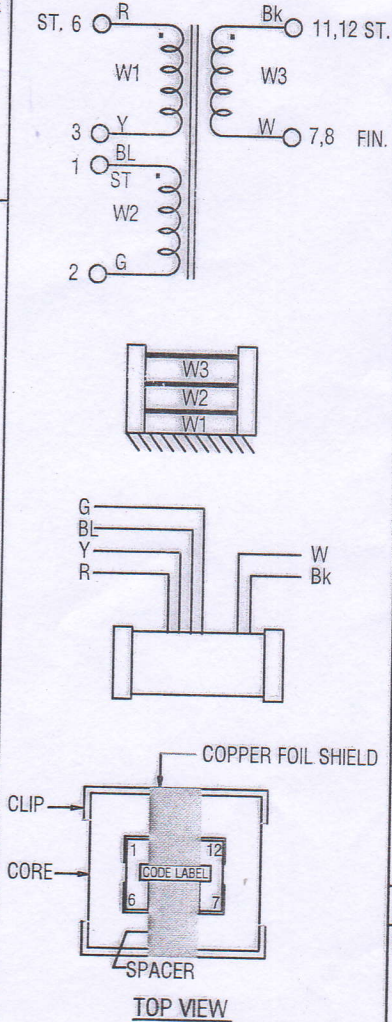
ITI LIMITED
(A Government of India Undertaking)

M2126E004			
Sl. No.	ITI Item code	Item Description	Qty in Nos
1	<i>DTC 953120</i>	TRANSFORMER(Drawing is attached)	100

1. Warranty certificate is mandatory
2. Sample has to be approved by the user before bulk supply
3. COC, test reports and all necessary documents shall be submitted along with supply for inspection clearance.
- 4. Lead time of the items should be clearly mentioned**
5. Quote only for the mentioned make and part number.
6. Data sheets/Drawings of components have to be uploaded while bidding.
- 7. Technical details of each items should be uploaded be in your company letter head with sign and seal for technical evaluation.**
Without these documents, the submitted bid will be rejected and we will not consider for evaluation.

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STOCKLIST				SHEET :-1 OF 1	
				ISSUE	APP.
				1	24-01-2025
SL.NO.	AMOUNT	CODE	DESCRIPTION		
1	2	DA6E5 000001 A1A1	CORE(EFD30-3F3-OL)		
2	1	DC3E5 101030 A1A1	COIL FORMER (EFD30-12 PIN)		
3	2	DD6A6 300001 E5C1	CLIP		
4	6 gms	0.40 Ø (28 SWG) Sn,En Cu WIRE TO SPEC D2717			
5	20 gms	0.56Ø (24 SWG) Sn,En Cu WIRE TO SPEC D2717			
6	100mm EACH	Bk,W 2.5 DIA SILICON ELASTOMER SLEEVE TO SPEC. D2738			
7	100mm EACH	R,Y,O,Br,BI,G, 1.0 DIA SILICON ELASTOMER SLEEVE TO SPEC. D2738			
8	✓	5 MIL LEATHEROID PAPER			
9	✓	ARALADITE TO SPEC.B2910			
10	✓	HUMI-SEAL COMPOUND TO SPEC. D3384			
11	✓	INSTANT BOND			
12	✓	0.040 THICK MILNEX PAPER TO SPEC B2992 OR GLASS CLOTH TO SPEC B2898			
13	300mm	12.0 x 0.040 COPPER FOIL			

WINDING AND TEST PARTICULARS					ASSEMBLE IN CONJUC- TION WITH FIG.1 CONFIGURATION	
WDG. NO.	NO.OF TURNS	SIZE OF WIRE	INDUCTANCE AT 1KHz (0.5V)	ADDITIONAL CHECKS		
1	64	24SWG	W1=900µH±10%	LEAKAGE INDUCTANCE MEASURED ACROSS 3 & 6		
2	11	28SWG 2 FILAR	NOTE-1	LESS THAN 20µH@ 100kHz CONDITION:		
3	8	24SWG 4 FILAR	NOTE-1	1,2,7,8,11,12 LEAD SHORTED		

NOTES:-

1. TRANSFORMER MUST PASS TURNS' CHECK & WINDING POLARITY CHECK.
2. WIRES ARE TO BE TERMINATED TO THE RELEVANT PINS.
3. PLACE LABEL WITH CODE NO. ON THE ASSEMBLY.
4. INTER WINDING INSULATION - 2 LAYERS OF MILINEX PAPER/GLASS CLOTH.
5. FINISH WITH 2 LAYERS OF MILINEX PAPER/GLASS CLOTH.
6. PROVIDE AIR GAP WITH LAYERS OF LEATHEROID PAPER ON BOTH LIMBS OF THE CORE TO GET THE PROPER INDUCTANCE.
7. THE COIL SHALL BE BAKED AS PER DTC80613 PARA 1, DIPPED IN HUMISEAL COMPOUND AND BAKED AGAIN AS GIVEN ABOVE.
8. PIN 1 TO BE INDICATED WITH WHITE PAINT.
9. APPLY THIN LAYER OF ARALDITE TO JOIN THE CORE HALVES.
10. TRANSFORMER SHALL PASS VOLTAGE BREAK-DOWN TEST OF 3 KV AC BETWEEN PRIMARY AND SECONDARY WINDING FOR 1 SEC.
11. SURROUND THE AIR GAP WITH ONE LAYER OF 12.0 x 0.040 COPPER FOIL.
12. WINDING TO BE WOUND UNIFORMLY THROUGH OUT THE BOBBIN WIDTH

TRANSFORMER ASSY. (AC - DC)			
TRANSMISSION EQUIPMENT			
DRN.	★	ENG.	★
TRD.		APP.	★
CHD.			
DTC 953120		I.T.I.LIMITED. BANGALORE-16.	
		A4	

ALL DIMNS. ARE IN 'mm'

REF:- ITESD

W.O:- ITESD0723

U.O:- PCA 6985/A1

DOCUMENTATION
CE

CONTROLLED 40A

SIG

DATE 25/1/25