DATASH	IEET		EICT-90K-T501	С
	M	ELECMAT TECHNOLOGY CO., LTD.	Sheet 1 of 5	
			Released Date :	
Product	Name :	Split-Core Current Transform	ner	
EM	P/N :	EICT-90K-T501C	Version: ud01	

Customer P/N :

Application : Energy measurement unit

### **Version History**

Version	Change Description	Originator	Effective Date
01	Preliminary	Carter.He	16.10.2018
	Under developm	nent!	

# **EM** Approved

Created/Date	Approved/Date	Released/Date	
Carter.He 16.10.2018			

# **Customer** Approved

Approved/Date

This document is the property of ELECMAT TECHNOLOGY CO., LTD. and is delivered on the express condition that it is not to be disclosed, reproduced or used, in whole or in part, for manufacture or sale by anyone other than ELECMAT TECHNOLOGY CO., LTD. without its prior consent, and that no right is granted to disclose or to use any information in this document.

## EICT-90K-T501C DATASHEET Sheet 2

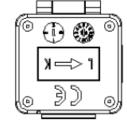


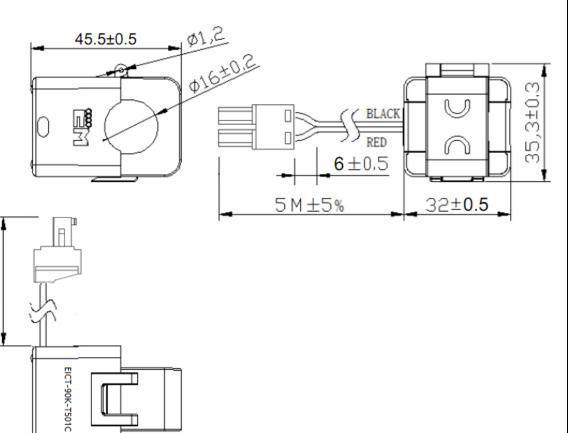
ELECMAT TECHNOLOGY CO., LTD.

Π

1. Dimensions & Electrical Data: (dimensions unit in mm)

5M±5%



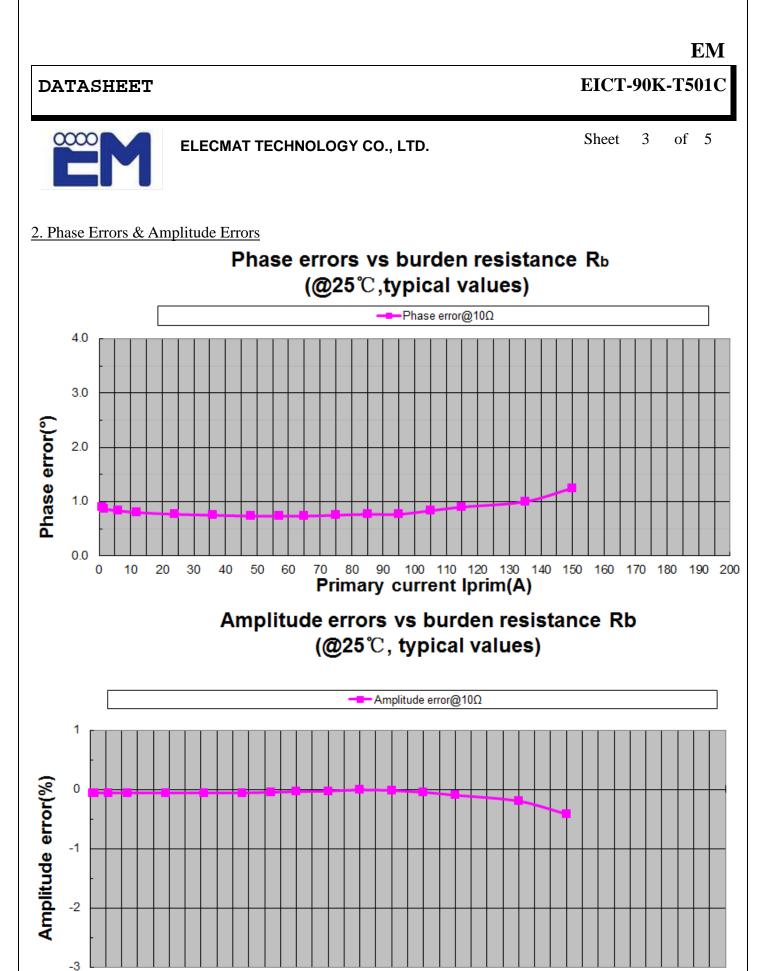


Electrical Data(typical values):			
lpn = 90 A	Primary norminal rms current		
lout = 90 mA	Output current @lpn		
φ = 1.5° Max @lpn, 25°C, Rb=10Ω	Max Phase error @lpn, 25°C, Burden resistance=10Ω		
F(I) = 1% Max @lpn, 25 °C, Rb=10Ω	Max Amplitude error @lpn, 25°C, Burden resistance=10Ω		
Rb = 10 Ω	Burden resistance		
Up,eff = 4 kV, 2 S Isolated voltage, isolated with plastic case.			
N2=1000± 1% Turns	Number of turns of secondary winding		
Rou2	Winding resistance of secondary winding at 25°C		
Connections: red+black wire 2x24AWG	Connetion wires of secondary winding		
ambient temperature: -25°C+70°C			
storage temperature: -25°C+85°C			

This document is the property of ELECMAT TECHNOLOGY CO., LTD. and is delivered on the express condition that it is not to be disclosed, reproduced or used, in whole or in part, for manufacture or sale by anyone other than ELECMAT TECHNOLOGY CO., LTD. without its prior consent, and that no right is granted to disclose or to use any information in this document.

### EM

of 5



<sup>90 100 110 120 130 140 150 160</sup> Primary current lprim(A) This document is the property of ELECMAT TECHNOLOGY CO., LTD. and is delivered on the express condition that it is not to be disclosed,

reproduced or used, in whole or in part, for manufacture or sale by anyone other than ELECMAT TECHNOLOGY CO., LTD. without its prior consent, and that no right is granted to disclose or to use any information in this document.

### EM

#### DATASHEET

# EICT-90K-T501C



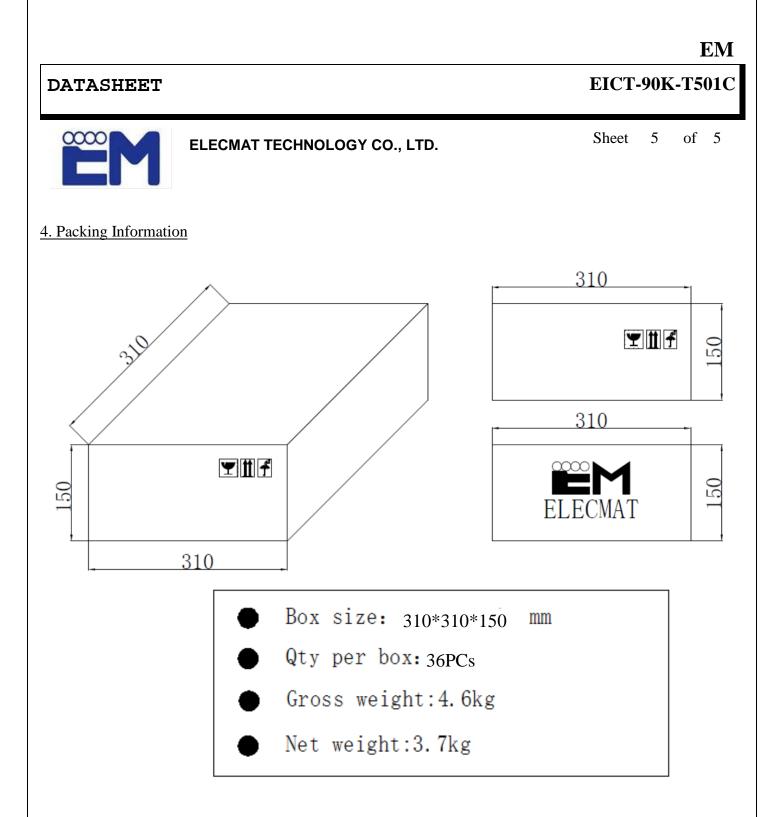
ELECMAT TECHNOLOGY CO., LTD.

Sheet 4 of 5

#### 3. Material List

NO.	ITEM	SUPPLIER/(VENDOR)	MATERIAL	UL NO.
1	CORE	TDG	FIRRITE	NA
2 COPF		DONGGUANG YIDA INDUSTIRAL CO.LTD	POLYURETHANE ENAMELLED	E344055
		GUANGZHOU WANBAO ENAMELLED WIRE CO. LTD		E167402
3		3M COMPANY ELECTRICAL PRODUCTS DIV	FLAME RETARDANT POLYESTER FILM INSULATING TAPE	E256906
4	RUBBER	TIAN MU	RTV SILICONE RUBBER	NA
5	LEAD WIRE	3Q WIRE&CABLE CO.,LTD	UL2464 300V 80°C	E492980
6	PLASTIC CASE	SHENZHEN DEFA SCIENCE CO.,LTD	РРО	E45329
7		SHENZHEN CONNECTION ELECTRONICS CO.,LTD	PLTB1.5-02-B-3.5 Terminals	NA

This document is the property of ELECMAT TECHNOLOGY CO., LTD. and is delivered on the express condition that it is not to be disclosed, reproduced or used, in whole or in part, for manufacture or sale by anyone other than ELECMAT TECHNOLOGY CO., LTD. without its prior consent, and that no right is granted to disclose or to use any information in this document.



This document is the property of ELECMAT TECHNOLOGY CO., LTD. and is delivered on the express condition that it is not to be disclosed, reproduced or used, in whole or in part, for manufacture or sale by anyone other than ELECMAT TECHNOLOGY CO., LTD. without its prior consent, and that no right is granted to disclose or to use any information in this document.