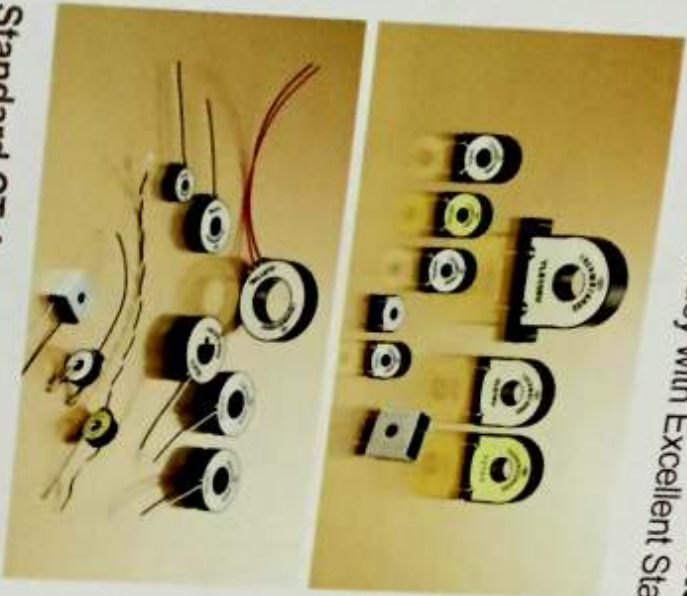


# Accuracy for 0.2 & 0.5/1.0 Class Meter Grade

## Standard Accuracy with Excellent Stability & Sensitivity in Miniature Current



### Application

- 0.2 class meters in HVCT & MVCT for Power Plant, Sub-Station, and Industrial Complex
- 0.2 Class Power Meters
- Super Accuracy Power Sensor & Instruments

### Features

- Meeting International standard conforming to IEC62053-22 & ANSI C12.20
- Far exceeding the linearity within 0.1% through the whole range
- Excellent stability and sensitivity in the lowest minute current level
- Supreme immunity to external AC magnetic influence
- Lowest tolerance on the temperature change
- Option : Supreme immunity to external DC magnets

## Standard CT Accuracy : Class 0.1 Model & Specification

Ratio Error : Within  $\pm 0.05\%$

Part Number	Current Ratio		Rated Current	Phase Shift(min)		Phase Variation at 0.25A-5A	Linearity Error (%)	Short Circuit /sec
	DCR ( $\pm 6\%$ )	Max Current		at 0.25A	at 5A			
TS73V/L	1500/1	90A	90A	7	6	1.5'	1'	3.50'
	46 $\Omega$	117A		-0.20%	-0.17%			
TS77V/L	2500/1	90A	90A	7	5	2'	2'	2.52'
	130 $\Omega$	118A		-0.20%	-0.15%			
TS76V/L	2500/1	300A	300A	3	2	1'	1'	0.05
	51 $\Omega$	490A		-0.09%	-0.06%			

(I=50Hz, PF=1.0 Unit : minute / percent)

## Standard CT Accuracy : Class 0.2 / 0.5 Model & Specification

(I=50Hz, PF=1.0 Unit : percent / degree)

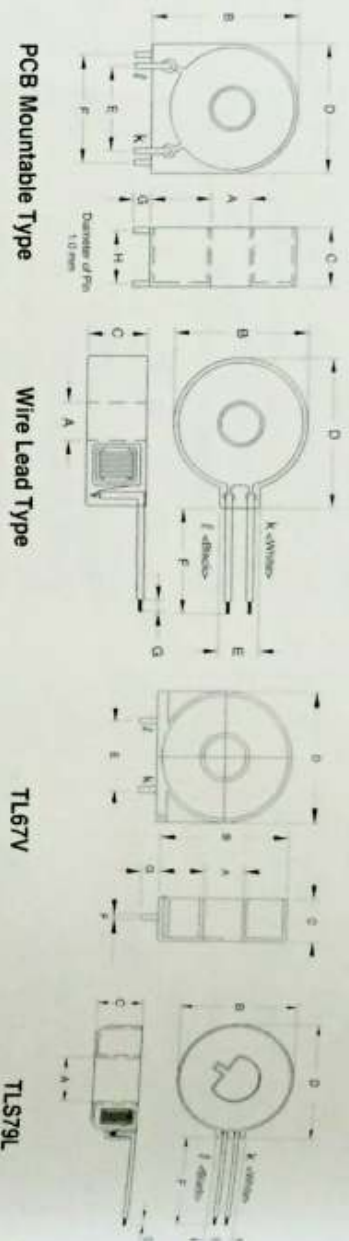
Part Number	Current Ratio	DCR ( $\pm 6\%$ )	Rated Current	Max Current	Ratio Error	Lst(min) 0.03V	Phase Shift(u)
TL67V	1600/1	113 $\Omega$	22A	40A	< 0.1%	>40H	< 0.233'
TL568V	1600/1	110 $\Omega$	24A	42A	< 0.1%	>40H	< 0.240'
TL565V	1000/1	43 $\Omega$	22A	37A	< 0.1%	>20H	< 0.212'
★ TL577V/L	2500/1	138 $\Omega$	90A	100A	< 0.1%	>137H	< 0.181'
TL577V/L	2500/1	187 $\Omega$	90A	144A	< 0.1%	>220H	< 0.159'
TL576V/L	2500/1	51 $\Omega$	300A	432A	< 0.1%	>130H	< 0.076'
TL531L	5000/1	395 $\Omega$	340A	340A	< 0.1%	>1K4	< 0.060'
TL579L	2500/1	30 $\Omega$	400A	696A	< 0.1%	>90H	< 0.061'
TL5105V/L	2000/1	26 $\Omega$	430A	590A	< 0.1%	>70H	< 0.073'
TL5106V/L	2500/1	30 $\Omega$	590A	590A	< 0.1%	>90H	< 0.061'
TL5110L	4000/1	262 $\Omega$	200A	480A	< 0.1%	>490H	< 0.100'

### Definition of Terms

DCR : DC Resistance of secondary winding

Remark : The data of maximum current, ratio and phase error on 60Hz testing would be around 20% better than that of above 50Hz

## Drawing



## Dimension

### PCB Mountable type

Model No	A(min)	B(max)	C(max)	D(max)	E(±0.3)	F(±0.3)	G(±0.5)	H(±0.3)	I(max)
TL67V	5.59 0.220"	19.38 0.763"	8.5 0.334"	19.25 0.758"	12.7 0.500"	5.54 0.218"	3.5 0.137"		
TL568V	5.7 0.224"	19.5 0.768"	8.6 0.339"	19.2 0.756"	12.7 0.500"	16.0 0.630"	3.0 0.118"	7.5 0.295"	
TL57V	8.9 0.350"	27.5 1.083"	17.0 0.669"	25.3 0.996"	15.1 0.594"	19.1 0.752"	3.0 0.118"	15.1 0.594"	
TS73V	6.8 0.268"	25.0 0.984"	11.0 0.433"	23.5 0.925"	15.1 0.594"	19.1 0.752"	3.0 0.118"	9.1 0.358"	
TS76V	12.9 0.508"	39.3 1.547"	14.0 0.551"	38.0 1.496"	25.2 0.992"	32.8 1.291"	3.0 0.118"	12.1 0.476"	
TL5105V	18.4 0.724"	55.5 2.185"	20.3 0.799"	50.5 1.988"	30.0 1.181"	60.0 2.362"	4.0 0.157"	10.0 0.394"	67.6 2.661"

(Unit : mm/inch)

### Wire lead type

Model No	A(min)	B(max)	C(max)	D(max)	E(max)	F(±3.0)	G(±1.0)
TL57L	8.9 0.350"	24.8 0.976"	17.0 0.669"	28.4 1.118"	7.6 0.299"	65 2.559"	3.0 0.118"
TS73L	6.9 0.272"	23.6 0.929"	11.0 0.433"	26.8 1.055"	7.1 0.280"	71.0 2.795"	3.0 0.118"
TS76L	12.9 0.508"	37.5 1.476"	14.0 0.551"	41.3 1.626"	10.3 0.406"	68.0 2.677"	3.0 0.118"
TL53L	13.0 0.512"	31.5 1.240"	16.5 0.650"	35.7 1.406"	6.4 0.252"	74.0 2.913"	5.0 0.197"
TL579L	19.5 0.768"	48.2 1.898"	19.3 0.760"	51.2 2.016"	13.2 0.520"	270.0 10.630"	5.0 0.197"
TL5105L	19.6 0.772"	48.2 1.898"	19.2 0.756"	52.0 2.047"	13.2 0.520"	270.0 10.630"	5.0 0.197"
TL5106L	32.3 1.272"	59.6 2.346"	18.0 0.709"	63.2 2.488"	13.3 0.524"	763±7.0 30.039"	6±2.0 0.236"

(Unit : mm/inch)