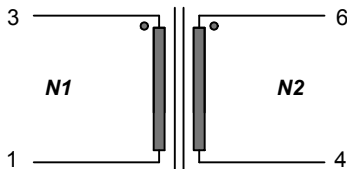




Product Type	Transformer
GT Part Number	SV1-502A
Customer Part Number	-
Customer	-
Place of Manufacture	GT Electronic India

SCHEMATIC:



ELECTRICAL SPECIFICATION:

Core	= Steel Lamination
Core Size	= EI-19/15.7/2
Steel Type	= M 330-35A
Turns Ratio	= 1 : 3
Frequency Range	= 50Hz to 10kHz

MATERIAL SPECIFICATIONS:

Item no.	Item Description	Insulating Material	Material Designation	Manufacturer	UL Number
1	Round Enamelled Copper Wire	BC-Polyester, OC-Polyamide (or) Polyurethane modified	Polysol P155/ Polysol-180	Elektrisola	E143312/ E331840
			V 155,V180	Synflex	E335481
			Preci-9/ Preci-10	Precision	E174288
2	Silicon Sleeve	Silicon Elastomer	Technoflex-SR700	Techno Polymer	UL as per E254189
3	Bobbin	Polyamide 66 (PA66), glass reinforced	70G33L	E I DUPOND	E41938
4	Case	Polyamide 66 (PA66), glass reinforced	70G33L	E I DUPOND	E41938
5	Potting Compound	Polyurethane (PUR)	Tedistac D45003 / Isostac D45003	Dow France SAS	E130092

TESTING DETAILS:

Test condition @ 50Hz:

Input voltage (N1) = 1V (0.90 to 1.10)V

No load current I_o = 84mA Maximum

Output voltage U_o = 2.5V (2.25 to 2.75)V

DC Resistance:

N1 = 4.6 Ω typ.

N2 = 47.0 Ω typ.

Inductance:

@ 50 Hz/1V / @ 1 kHz/1V

N1 = 34 mH / = 22 mH typ.

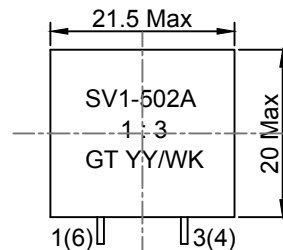
N2 = 350 mH / = 180 mH typ.

HV testing :

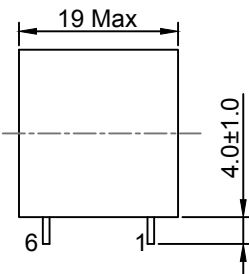
N1 -> N2 = 4KVac/2Sec/50Hz

MECHANICAL SPECIFICATION:

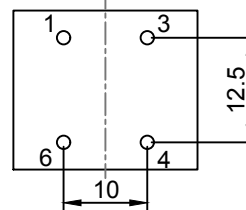
Front View:



Side View:



Bottom View: (Pin Side View)



Remark :

► Loaded Pins 1, 3, 4, 6

MARKING INFORMATION:

(Pin side 1-3)

SV1-502A

1 : 3

GT YY/WK

Date:	Approval of Customer :	
No load current updated	1	2
Inductance value included	1	1
-----Issued-----	1	0
Changes	Issue	Rev
	Initial	Date

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