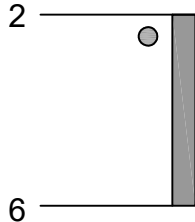


Product Type	Power Inductor			
GT Part Number	L01-3100 ~ 3105	Index		
Customer Part Number	45VXX XXXX			
Customer	SCHUKAT			
Place of Manufacture	GT Electronic India			

Page: 01 / 02

SCHEMATIC:



TECHNICAL DETAILS:

Operating frequency upto 100KHz
Operating temperature = -40° to +125°C

ELECTRICAL SPECIFICATION @25°C:

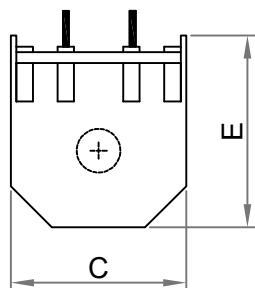
GT Part Number	Customer Part Number	Rated Current (Idc) in Amps	No Load Inductance (Lo in µH) ±15% @10kHz/0.1mA	Load Inductance in µH (DC Bias @ Rated Current) Typ. @10kHz/250mV	DCR in Ω	Min. Energy Storage (µJ)	Vertical Mounting Case - Size Code
			Pin# (2 - 6)	Pin# (2 - 6)	Pin# (2 - 6)	Pin# (2 - 6)	
L01-3100	45V20S127UH1A	1.0	127	100	0.097	50	2
L01-3101	45V25345UH1A	1.0	345	220	0.196	110	3
L01-3102	45V25491UH1A	1.0	491	330	0.193	165	3
L01-3103	45V2549UH3A	3.0	49	33	0.038	149	3
L01-3104	45V2575UH3A	3.0	75	47	0.048	212	3
L01-3105	45V30157UH3A	3.0	157	100	0.080	458	4

Product Type	Power Inductor		
GT Part Number	L01-3100 ~ 3105	Index	
Customer Part Number	45VXX XXXX		
Customer	SCHUKAT		
Place of Manufacture	GT Electronic India		

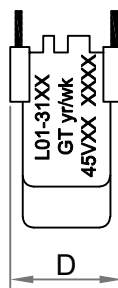


Page: 02 / 02

MECHANICAL SPECIFICATIONS:



FRONT VIEW

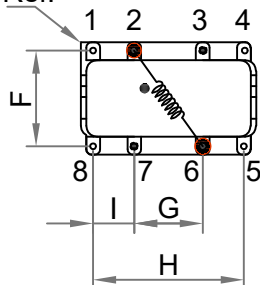


SIDE VIEW

MARKING INFORMATION:

L01-31XX
GT yr/wk
45VXX XXXX

Pin #1 Ref.



BOTTOM VIEW

#3 & 7 → Un used Pins
#1, 4, 5 & 8 → No Pins

Vertical Case Size Code	Dimensional Tolerance: $\pm 0.25\text{mm}$ & Pin-Pitch Tolerance: $\pm 0.20\text{mm}$							Pin Size x(4no's)
	C	D	E	F	G	H	I	
2	17.80	12.80	20.00	10.00	5.00	15.00	5.00	$\varnothing 0.80$
3	23.00	15.50	25.00	12.50	10.00	20.00	5.00	$\varnothing 0.80$
4	27.00	18.00	30.00	15.00	12.50	22.50	5.00	$\varnothing 0.80$

All dimensions are in mm

Product Finished with:
☐ Varnished
 ☐ Vacuum
 ☐ Baking
 ☒ Potted
 ☐ Fully Potted
 ☐ Vacuum
 ☐ Baking
☒ Non-Varnished
 ☐ Non-Vacuum
 ☐ Air Dry
 ☐ Un Potted
 ☒ Partially Potted(30%)
 ☒ Non-Vacuum
 ☒ Air Dry

 This product may contain harmful substances, it may require proper disposal subject to statutory & regulatory laws defined by the local governance of its own country/region as applicable at the time of disposal.

Date: Approval of Customer:

-----Issued-----	1	0	Veerappan K	30.04.2026
Changes	Issue	Rev	Initial	Date

Product Type	Power Inductor		
GT Part Number	L01-3100 ~ 3105	Index	-
Customer Part Number	45VXX XXXX		
Customer	SCHUKAT		
Place of Manufacture	GT Electronic India		

Page: 01 / 01

Item no.	Item Description	Insulating Material	Material Designation	Manufacturer	UL Number
1	Core Insulation	Epoxy (EP) insulation paint	H04-19A (a) or Equivalent	ZHEJIANG TIANNU GROUP PAINT CO LTD	E309437
2	Round Enamelled Copper Wire	BC- Polyester / OC-Polyamide-imide	Preci-7, MW-35C or Equivalent	PRECISION WIRES INDIA LTD	E174288
		BC-Polyurethane	RRvSHRAMIK SSFC, MW-79C or Equivalent	RAM RATNA WIRES LTD	E238786
3	Outer Enclosure / Case	Polyamide 66 (PA66), glass reinforced, pellets	Ultradid: A3X2G5 or Equivalent	BASF SE	E41871
4	Encapsulation / Potting Compound	Polyurethane (PUR)	Tedistac D45003 / Isostac D45003 or Equivalent	DOW FRANCE SAS	E130092

Date:	Approval of Customer :	
-------	------------------------	--

-----Initial Issue -----	0	K.Veerappan	30-04-2026
Changes	Rev	Prepared	Date

GT elektronik GmbH & Co. KG - Schlörstr.3 - 92507 Nabburg phone:+49(9433)2413-0 fax: -99

www.gt-elektronik.com