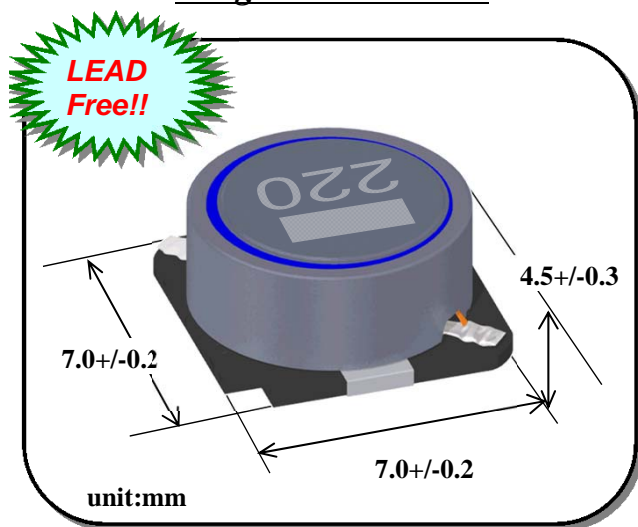




**THE DATASHEET OF
SLF7045T-6R8M1R9-H**



Component Image & Dimension



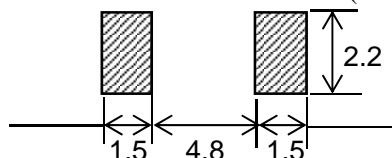
Features :

- a) Component Size :
Mount Area : 7.0mm x 7.0mm
Low Profile : 4.8mm Max. Height
- b) Generic use for Automotive Appliance.
This product guarantees operation in high temperature.
Operation temperature : -40°C ~ +125°C
(Including self-temperature rise +20°C)
Storage temperature : -40°C ~ +125°C
- c) High Magnetic Shield Construction should actualize High Resolution for EMC Protection.
- d) Automatic Mounting in Tape&Reel Package.
- e) Qualified acc. AEC-Q200.

Applications :

Automotive Appliance (ECM, HID, Air Bag, Transmission Control, Car Navigation, Car Audio, GPS System) etc.

*Recommended Land Pattern (Unit : mm)





Electrical Specification

TDK Identification	Inductance		Test Freq. (kHz)	DC Resistance		Rated DC Current	
	Spec. (μH)	Tol. (+/-20%)		Spec. (Ω)	Tol. (+/-20%)	Idc 1 (A max.)	Idc 2 (A Typ.)
SLF7045T- 3R3M2R2-H	3.3	+/-20%	100	0.028	+/-20%	2.2	2.3
SLF7045T- 4R7M2R1-H	4.7	+/-20%	100	0.031	+/-20%	2.1	2.1
SLF7045T- 6R8M1R9-H	6.8	+/-20%	100	0.039	+/-20%	1.9	2.04
SLF7045T- 100M1R8-H	10	+/-20%	100	0.047	+/-20%	1.8	1.81
SLF7045T- 150M1R5-H	15	+/-20%	100	0.068	+/-20%	1.5	1.46
SLF7045T- 220M1R3-H	22	+/-20%	100	0.082	+/-20%	1.3	1.25
SLF7045T- 330M1R1-H	33	+/-20%	100	0.12	+/-20%	1.1	1.11
SLF7045T- 470MR90-H	47	+/-20%	100	0.18	+/-20%	0.9	0.93
SLF7045T- 680MR75-H	68	+/-20%	100	0.27	+/-20%	0.75	0.76
SLF7045T- 101MR60-H	100	+/-20%	100	0.39	+/-20%	0.6	0.61
SLF7045T- 151MR50-H	150	+/-20%	100	0.55	+/-20%	0.5	0.54
SLF7045T- 221MR40-H	220	+/-20%	100	0.83	+/-20%	0.4	0.43
SLF7045T- 331MR35-H	330	+/-20%	100	1.15	+/-20%	0.35	0.37
SLF7045T- 471MR31-H	470	+/-20%	100	1.80	+/-20%	0.31	0.31

Note) Idc 1 : Depend on the Inductance Saturation. (-10% Saturation from Initial L Value)
Idc 2 : Depend on the self temperature rise. (+20°C typ.)

Looking for pricing, stock, or lifecycle information?

Click below to explore more details on WIN SOURCE:

-  [View SLF7045T-6R8M1R9-H on WIN SOURCE](#)
-  [TDK Corporation Information](#)

Optimize Your Supply Chain with WIN SOURCE Solutions

-  Global Sourcing Solution
-  Obsolete Management
-  Cost Control Management
-  Shortage Management
-  Alternative Solution
-  Excess Inventory Management