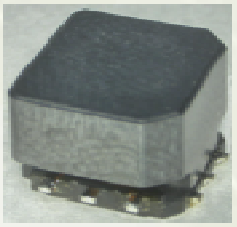
Strobe Light Transformer (CMS8D series)





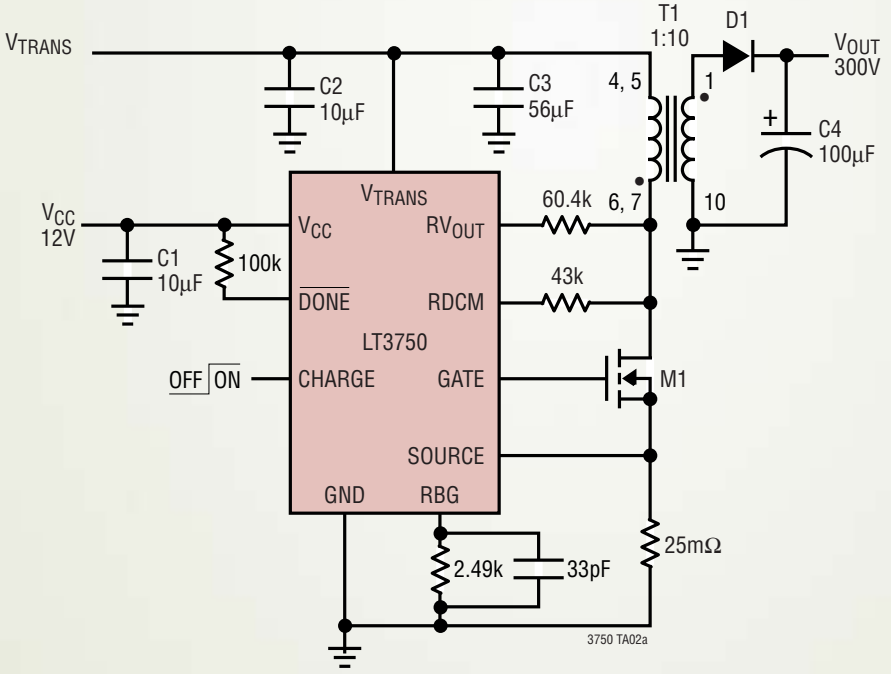
■ Features

◎ Compact size, surface mount transformer.
◎ High current.
◎ Low leakage Inductance.
◎ Special winding technology for high reliability.
◎ Storage temperature range: -40℃~+85℃
◎ Operating temperature range: -40℃~+85℃ (including coil's self-heat).
◎ RoHS Compliance.

■ Applications

◎ Step up transformer for strobe light of Digital Single-lens Reflex Camera.
◎ IC control strobe light condenser charge mode compliance.

■ Typical Evaluation Circuit



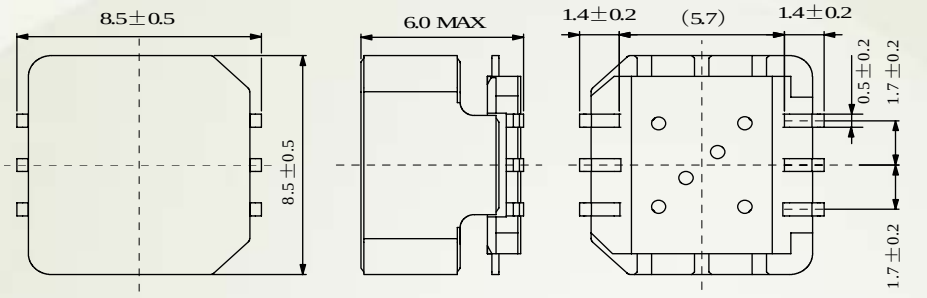
D1: DIODES INC. MURS160
M1: PHILIPS PHT6NQ10T
T1: SUMIDA CMS8D75

※ Visit http://www.sumida.com for more information

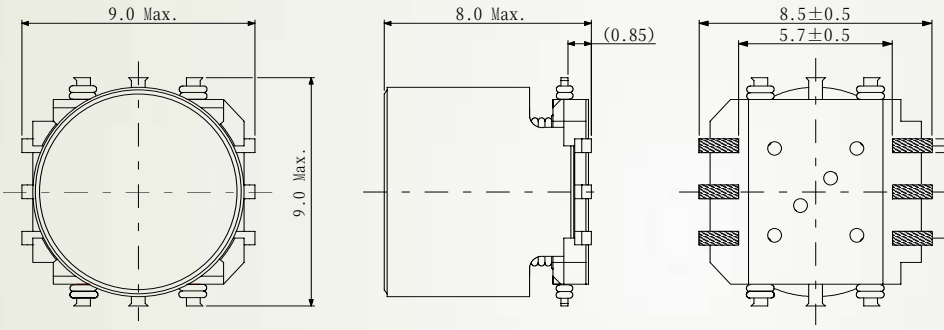
Strobe Light Transformer (CMS8D series)

■Dimensions

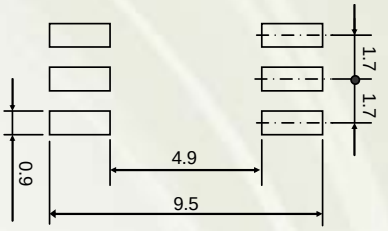
CMS8D57

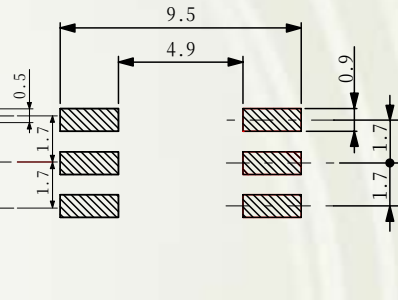


CMS8D75



■Land pattern





■Electric characteristics specification (Typical).

Type	Inductance (μH)(6-1) 100kHz/1V	Inductance (μH)(3-4) 100kHz/1V	D.C.R. (Ω) (6-1)	D.C.R. (mΩ) (3-4)	DC superposition Permission current(3-4)(A) ※1
CMS8D57	1100±20%	10.0±20%	12.6±20%	55.0±20%	2.5 @charge capacity 400**μF** Max.
CMS8D75	10.5±20%	990(Ref.)	58.0±20%	18.7(Ref.)	4.0@charge capacity 600**μF** Max.

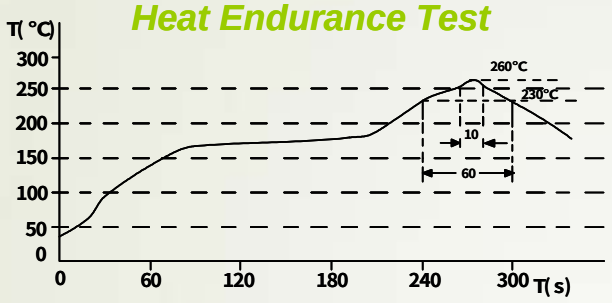
※1 DC superposition permission current : this indicates the value of current at which the Inductance decreases to 80% of its initial value at DC superposition

※ Visit http://www.sumida.com for more information

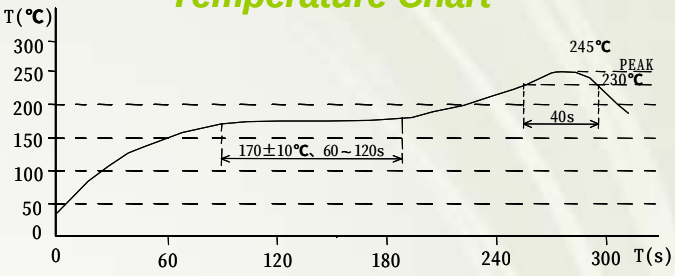
Strobe Light Transformer (CMS8D series)

Recommendation reflow condition

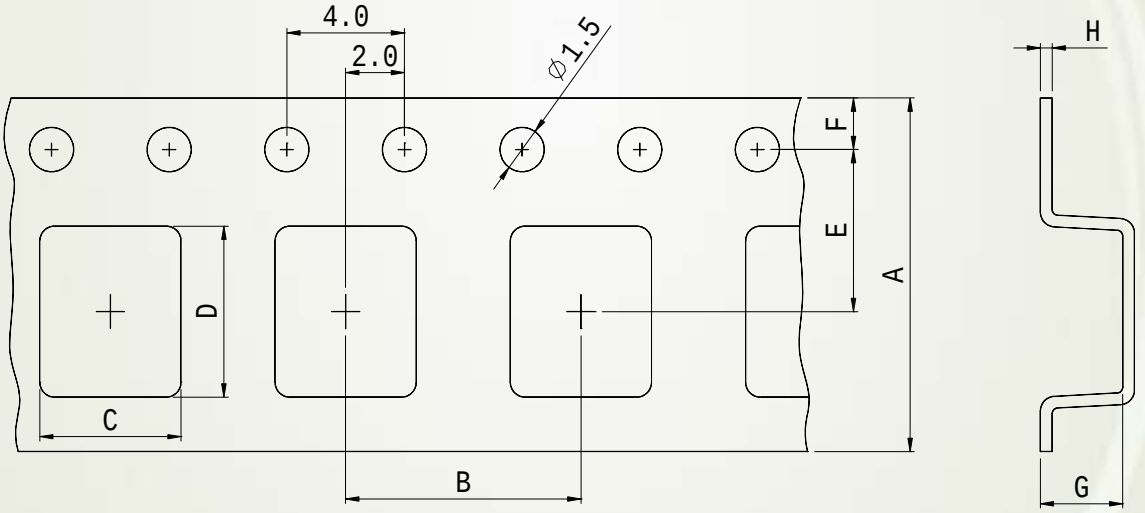
Heat Endurance Test



Temperature Chart



Packaging with embossed tape and Reel



※ Visit http://www.sumida.com for more information.