

FEQ25 series (Rev. 4.0)



Features

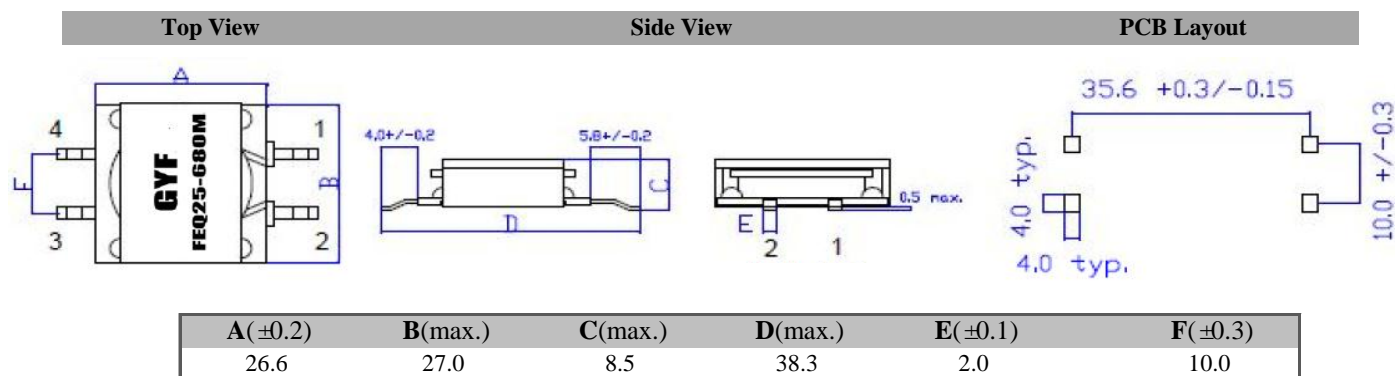
- * RoHS compliant
- * Ideal for DC-DC converter inductor applications
- * High current, low loss of iron powder core
- * Custom design available

Product Identification

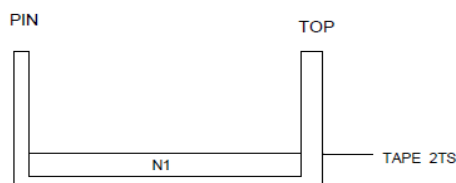
FEQ **25** - **680** **M**
1 2 3 4

1. Product Code
2. Size Code: 26.6 * 27 * 8.5mm
3. Inductance: 68uH
4. Tolerance: M=±20%

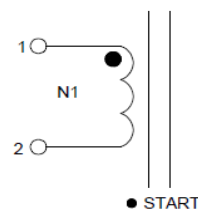
Dimension & Recommended PAD Layout: [mm]



WINDING CONSTRUCTION :



SCHEMATICS:



NO.	WINDING	TERMINAL	WIRE	TURNS
1	N1	1 - 2	2UEW - 0.1 mm x 35 P	13.0 +/- 1.0 Ts

Electrical Characteristics

L (pin1-2) @ 1KHz / 1.0V	DCR (mΩ) max.	IDC (A) max.
68.0 uH ±20%	50.0	6.0

* Irms DC current (A) that will cause an approximate ΔT of 40°C

* Isat DC current (A) that will cause L to drop approximately 25%

Applications

- * DC/DC converters, etc
- * LED Driver

Operating & Storage Condition :

- * Operating Temp : Stand Type: -40 to +85 °C
H Type: -40 to +165 °C
(Range is application specific)
- * Storage Temp : Stand Type -40 to +85 °C
H Type: -40 to +165 °C
(Range is application specific)
- * Storage Life Time: 6 Months @20 °C, RH 65%

Test Equipment :

- * L-WK3260 LCR Meter * RDC-Twintex TM8089A
- * IDC-WK3260+3265B DC-Bias
- * Dimension-Mitutoyo * Temperature-Tecpel 305A

Standard Atmospheric Conditions :

- * Ambient Temp : 20 ±5 °C
- * Relative Humidity : 65 ±20%