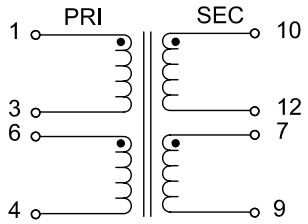
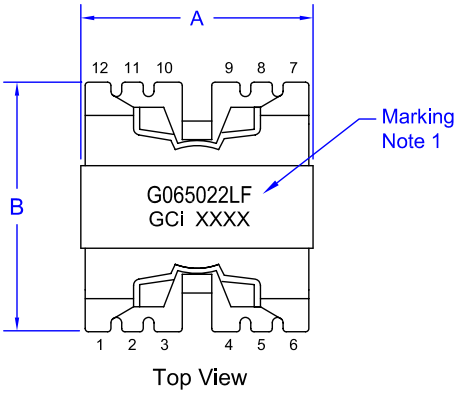
Electrical Specification:

Inductance:	(1-3): 287µH ±20% @ 100KHz, 0.5V,
Leakage Inductance:	(1-3): 7.2µH Max @ 100KHz, 0.5V, with (7+9+10+12) shorted
RDC:	(1-3): 0.320Ω Max @ 25°C (10-12): 0.026Ω Max (7-9): 0.008Ω Max (6-4): 0.064Ω Max
Turns Ratio:	(1-3):(10-12)=4.6:1.0 ±5% @ 100KHz, 0.5V (1-3):(7-9)=16.0:1.0 ±5% (1-3):(6-4)=5.3:1.0 ±5%
Hipot:	3,000VAC for 1 second from pins (1-4) to (10-9) with pins (3+6), (7+12) shorted

Schematic:



Mechanical Specification:



Top View

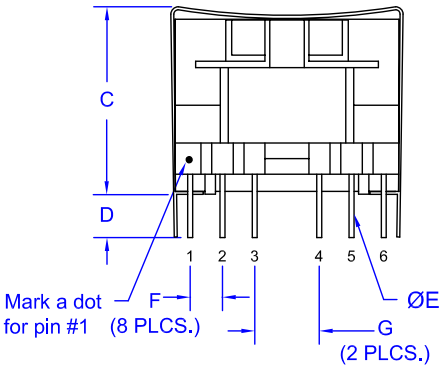
Dimensions Table	
Ref	mm
A	27.50 Max
B	30.80 Max
C	28.00 Max
D	3.80±0.50
E	Ø0.80±0.10
F	3.81±0.30
G	7.62±0.30
H	25.40±0.30
I	$0.30^{+0.20}_{-0.00}$ x 3.30±0.10
J	$0.30^{+0.20}_{-0.00}$ x 1.65±0.10
K	8.20±0.30
L	12.70±0.30

Notes:

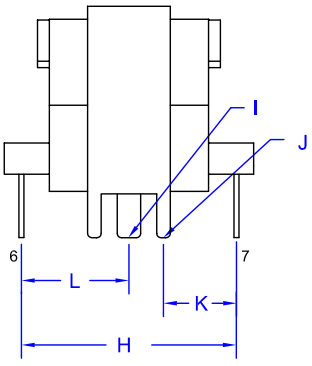
1. Marking shall include:
   GCi Part Number,
   GCi Name, Date Code,

Marking

G065022LF GCi XXXX

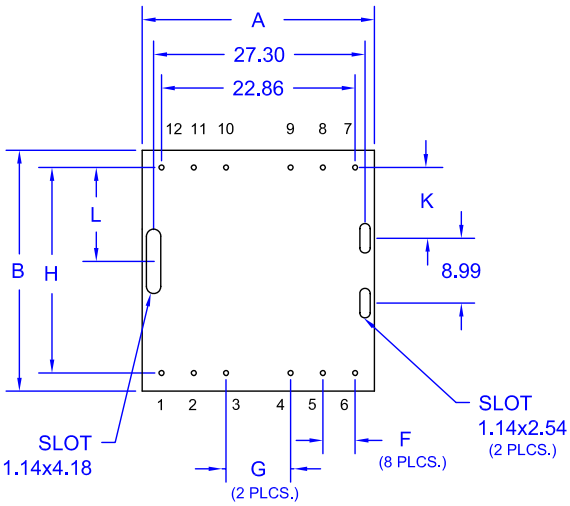


Front View



R-Side View

Hole Pattern



All tolerances are ±0.3mm,
Unless otherwise specified

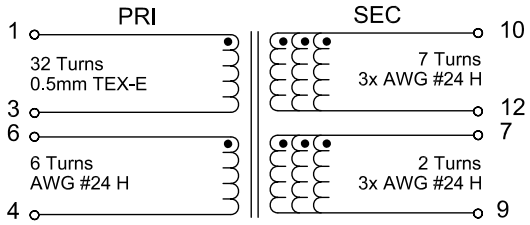
RoHS COMPLIANT 2002/95/ EC

Electrical / Mechanical Specification		65W QUASI-RESONANT FLYBACK TRANSFORMER				
DESIGN ENG: *Raghu N.*	APPD. BY: *Rich M.*	RELEASED BY:	REV: 0	DRAFTER BY: *June W.*	DATE: 03/31/06	
S/O NUMBER: 065022	GCi PART NO: G065022LF	CUSTOMER PART NO.:		SHEET 1 OF 2		

1301 Precision Drive * Plano, Texas 75074 U.S.A. * Tel: (972) 423-8411 * Fax: (972) 423-4550 * email:gci@gcitechnologies.com * website:www.gcitechnologies.com

Winding Instructions:

Schematic:



Winding Construction:

2 Layers Tape
(7-9) 2 Turns 3x AWG #24 H (10-12) 7 Turns 3x AWG #24 H
3 Layers Tape
(6-4) 6 Turns AWG #24 H (1-3) 32 Turns 0.5mm TEX-E

Winding Constructions Notes:

1. All windings shall be wound in the same direction.
2. Winding shall be evenly distributed to minimize buildup.
3. Inter-winding tape shall come in contact with both flanges around the entire periphery of the winding.
4. Winding direction produces crossover to maximize distance from wire to core to comply with safety requirements.

Assembly Instructions:

Assembly Instructions Notes

1. Dip solder terminals.
2. The mating surfaces of the cores shall be clean and free of debris
3. Cure varnish per supplier datasheet recommendation.
4. Stamp-print or apply label per mechanical specification.
5. Dip varnish.

Testing Instructions:

Testing Instructions Note:

1. All tests in electrical specification shall be performed 100% unless specified in this section.

"ALL CURRENT CHANGES INDICATED BY ASTERISKS"

Winding / Assembly / Testing		65W QUASI-RESONANT FLYBACK TRANSFORMER				
DESIGN ENG: *Raghu N.*	APPD. BY: *Rich M.*	RELEASED BY:	REV: 0	DRAFTER BY: *June W.*	DATE: 03/31/06	
S/O NUMBER: 065022	GCi PART NO: G065022LF	CUSTOMER PART NO.:		SHEET 2 OF 2		

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