

REVISIONS

REV.	DESCRIPTION	ECN NO.	DATE
01	FIRST RELEASE FOR RFQ#D2003-4698	N/A	06/28/03
02	UPDATE SPEC. PER ACTUAL SAMPLE	EE4175	09/22/03

PAGE 4 IS FOR INTERNAL ONLY

TITLE
**TRANSFORMER, MODEM, SMD,
 6 PIN**

WARNING !

ALL SHEETS OF THIS DOCUMENT ARE CONTROLLED DOCUMENTATION AND ARE NOT TO BE RELEASED OUTSIDE OF E&E OR ITS SUB-CONTRACTORS WITHOUT AUTHORIZATION.

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCH/mm.

TOLERANCE ARE:

INCH	mm	ANGLE
.XXX ± .005	.XX ± .13	X.X ± 0.3
.XX ± .02	.X ± .5	X. ± 1

APPROVALS

DATE

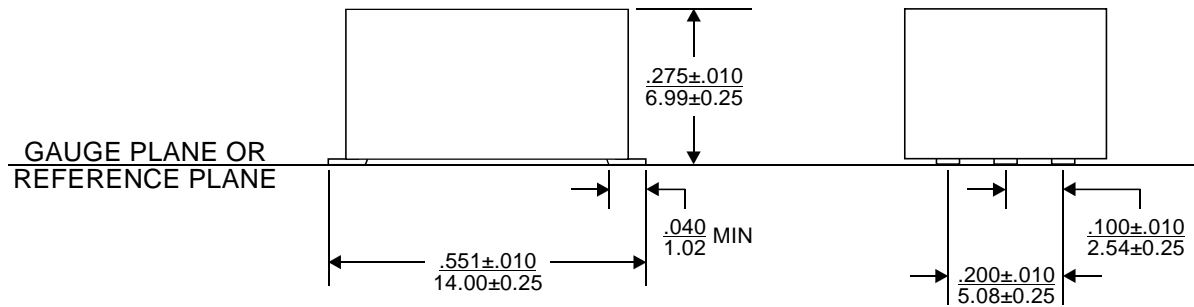
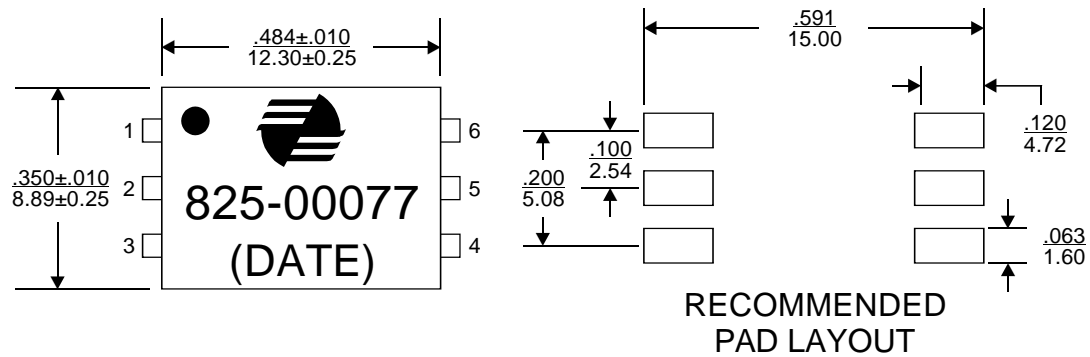
DRAWN BY S. CHEUK	09/22/03
PROJ. ENG W.P. CHENG	09/22/03
APPROVED BY V. TSUI	09/22/03
Q.A. C.M. TSUI	09/22/03



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MECHANICAL OUTLINE

1. Dimensions are specified in $\frac{\text{inches}}{\text{mm}}$ with higher precedence in mm.
2. Unless otherwise specified, all tolerances are $\pm \frac{.010}{0.25}$.
3. Lead coplanarity: $\frac{.004}{0.10}$ max.
4. There is no connection to pin 2 and 5.
5. "(DATE)" includes at least the manufacturing date code (in YYWW format) plus two character country code.

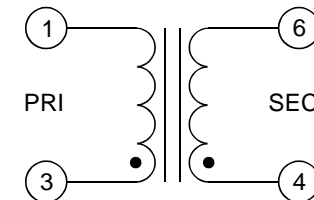


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ELECTRICAL SPECIFICATION @25°C:

PARAMETERS	UNIT	LIMITS
Turns Ratio(Pri) : (Sec)	-	1 : 1 ± 1%
Polarity	-	Per Schematic
DCR(1-3)	Ω	75 ± 15%
DCR(6-4)	Ω	75 ± 15%
Insertion Loss@1000Hz	dB	2.0 Max
Frequency Response@300-3400Hz	dB	± 0.1 Max
Return Loss with R _L =600@300Hz-4000Hz	dB	18.00 Min
Shunt Inductance, L _p (1-3)@25mV, 300Hz	H	1.80 Min
Leakage Inductance(1-3), short 6+4@1kHz, 1Vrms	mH	7.0 Typ
⁷ THD@400Hz, -10dBm	dB	- 62 Max
Hipot(Pri):(Sec), 1 second	Vrms	3000 Min
Insulation Resistance(Pri):(Sec)@500Vdc	MΩ	100 Min



SCHEMATIC



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6. Operating temperature range: -10°C: to +70°C:

⁷ THD is measured with secondary loaded with 600 ohms.