

REVISIONS			
REV.	DESCRIPTION	ECN NO.	DATE
01	FIRST RELEASE	N/A	10/07/15
02	CORRECT TYPO	EE16898	11/03/15

When ordering, please add suffix "T" to the part number for tape & reel packaging (330mm reel).

PAGE 4 & 5 ARE FOR INTERNAL ONLY

PART NUMBER	PART DESCRIPTION
821-02089F	RoHS compliant per EU Directive 2011/65/EU

TITLE	TRANSFORMER, DIGITAL AUDIO, SMD, 4 PIN
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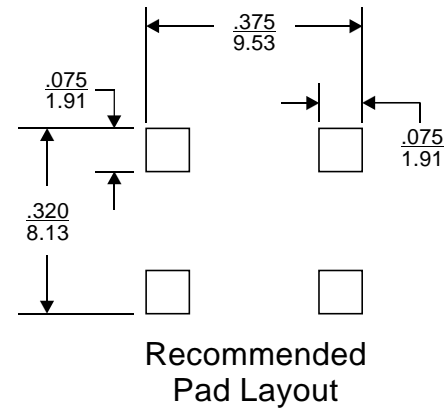
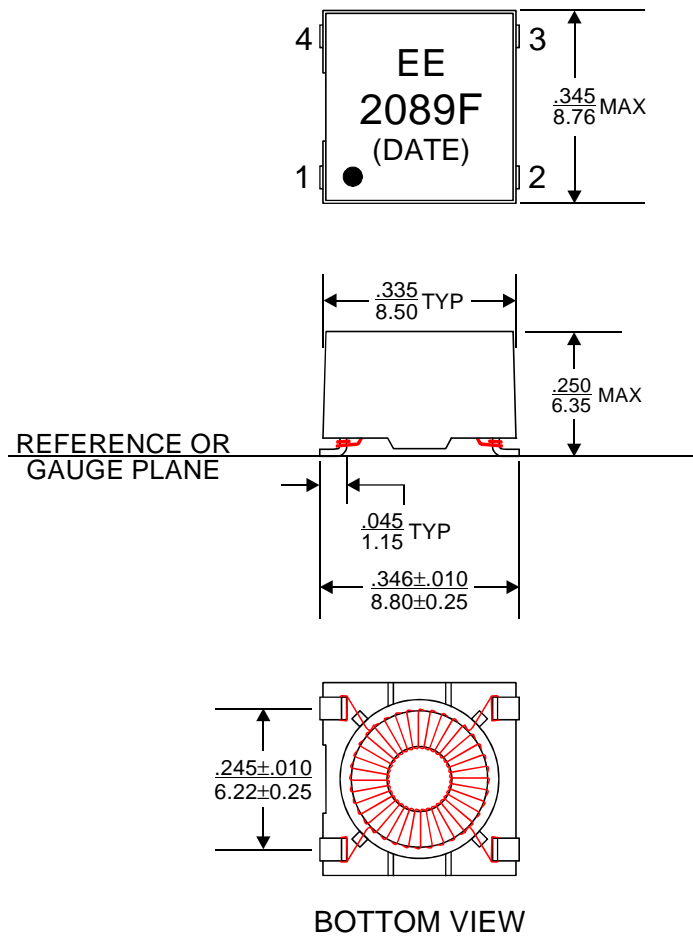
UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCH/mm.

TOLERANCE ARE:

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

APPROVALS	DATE
DRAWN BY Y.L. YUNG	11/03/15
PROJ. ENG Y.L. YUNG	11/03/15
APPROVED BY D. YUNG	11/03/15
Q.A. D. LUO	11/03/15

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MECHANICAL OUTLINE



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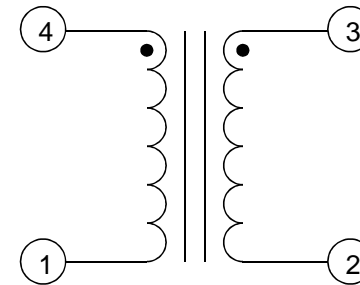
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1. Dimensions are specified in $\frac{\text{inches}}{\text{mm}}$ with higher precedence in mm.
2. Unless otherwise specified, all tolerances are $\pm \frac{.010}{0.25}$.
3. Coplanarity: $\frac{.006}{0.15}$ max.
4. "(DATE)" includes at least the manufacturing date code (in YYWW format) plus two character country code.

ELECTRICAL SPECIFICATION @25°C:

PARAMETERS	UNIT	LIMITS
Turns Ratio(1-4):(2-3)	-	1 : 1 ± 2%
Polarity(1-4):(2-3)	-	Per Schematic
Ls(1-4) @ 100KHz, 0.02Vrms	mH	2.5 ± 20%
LL(1-4), short 2,3 @ 100KHz, 0.02Vrms	uH	0.35 Max
Cww(1-4):(2-3) @ 100KHz, 0.02Vrms	pF	40 Max
Bandwidth @ 100KHz-55MHz	dB	3 Max
Return Loss @ 100KHz	dB	22 Min
Return Loss @ 10MHz	dB	20 Min
CMRR @ 100KHz	dB	75 Typ
CMRR @ 1MHz	dB	70 Typ
CMRR @ 3MHz	dB	60 Typ
CMRR @ 6MHz	dB	50 Typ
CMRR @ 10MHz	dB	40 Typ
CMRR @ 30MHz	dB	25 Typ
Hipot	Vrms	2000 Min

5. Operating temperature: 0°C to +70°C.



SCHEMATIC



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