

IEEE Standard
for
**COMPUTER-TYPE (SQUARE-LOOP)
PULSE TRANSFORMERS**



THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, Inc.

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Corrections

Page 418, paragraph 3.4

uV_z uI_z dV_z dI_z dt'_{sz} $u\phi_z$ and $d\phi_z$ should read

u^V_z u^I_z d^V_z d^I_z $d^t'_{sz}$ u^{ϕ}_z and d^{ϕ}_z respectively

Page 419, paragraph 4.1.6.2 (d)

uV_z and uI_z should read

u^V_z and u^I_z respectively

Page 420, paragraph 4.1.6.2 (f)

dV_z and dI_z should read

d^V_z and d^I_z respectively

Page 420, paragraph 4.1.6.2 (g)

dt'_{sz} should read $d^t'_{sz}$

Page 420, paragraph 4.1.6.2 (r)

$u\phi_z$ should read u^{ϕ}_z

Page 420, paragraph 4.1.6.2 (s)

$d\phi_z$ should read d^{ϕ}_z

Page 420, paragraph 4.1.12

$u\phi_z$ should read u^{ϕ}_z

Page 422, paragraph 1(e)(1)

Change "intensity" to "strength"

Page 426, Figures 11 and 12

uA_z dA_z dt'_{sz} $u\phi_z$ and $d\phi_z$ should read

u^A_z d^A_z $d^t'_{sz}$ u^{ϕ}_z and d^{ϕ}_z respectively

Page 426, paragraphs 13(b)(1) and (2)

uA_z should read u^A_z

Page 426, paragraph 13(c)(1) and (2)

dA_z should read d^A_z

Page 426, paragraph 13(c)(2)

dt'_{sz} should read $d^t'_{sz}$

Page 427, paragraph 13(d)(2)

$u\phi_z$ should read u^{ϕ}_z

Page 427, paragraph 13(d)(3)

$d\phi_z$ should read d^{ϕ}_z

Page 427, paragraph 15

dV_z should read d^V_z

IEEE Standard ***for*** **COMPUTER-TYPE (SQUARE-LOOP)** **PULSE TRANSFORMERS**

FOREWORD

The purpose of this Standard is to provide a common ground of understanding between computer system engineers and pulse transformer design engineers.

It pertains to computer-type pulse transformers. These pulse transformers are characterized by their use of square-loop core material, and are often referred to as a "switching" or "square-loop" type. They are generally used in computer system applications.

Low-power (linear-type) pulse transformers will be covered in a related Standard.

ACKNOWLEDGMENT

The Institute wishes to acknowledge its indebtedness to those who have so freely given of their time and knowledge and have conducted experimental work on which many of the IEEE publications are based.

This Standard was prepared by the Pulse Transformer Subcommittee of the Electronics Transformers Technical Committee of the IEEE Magnetics Group, whose membership was:

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NOTICE

The IEEE will maintain this Standard current with the state of the technology. Comments on this Standard as well as suggestions for additional material that should be included are invited. These should be addressed to:

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