STARPOWER SEMICONDUCTOR LTD.

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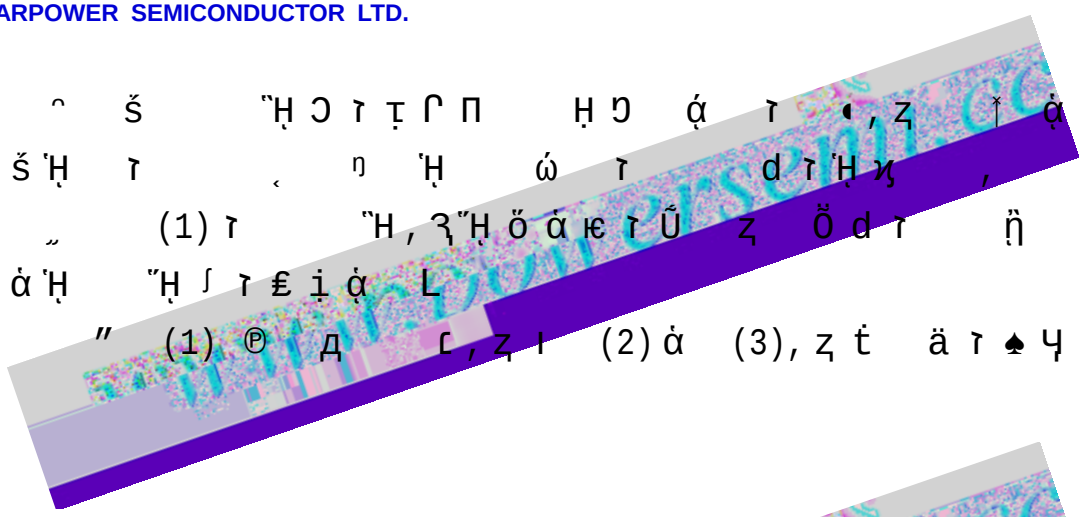

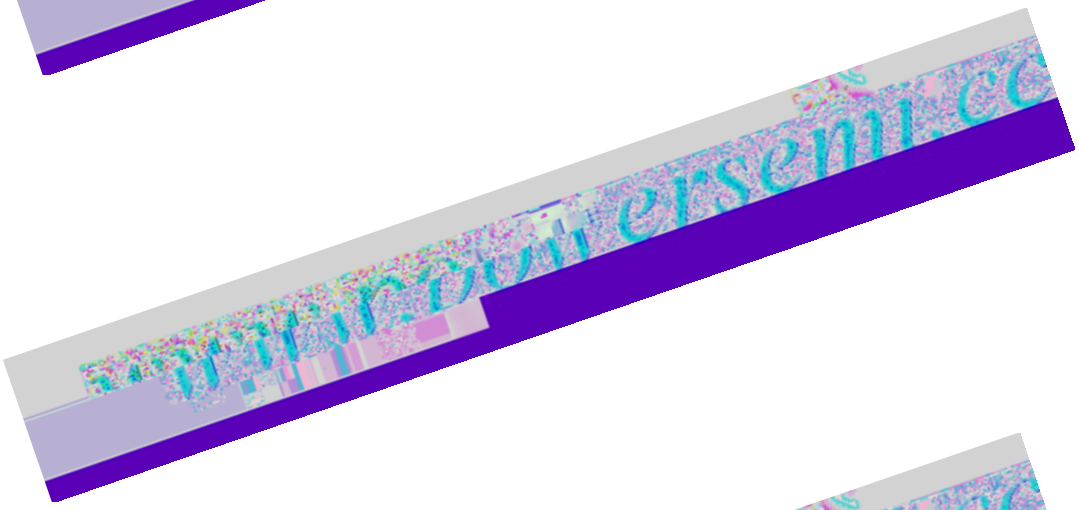

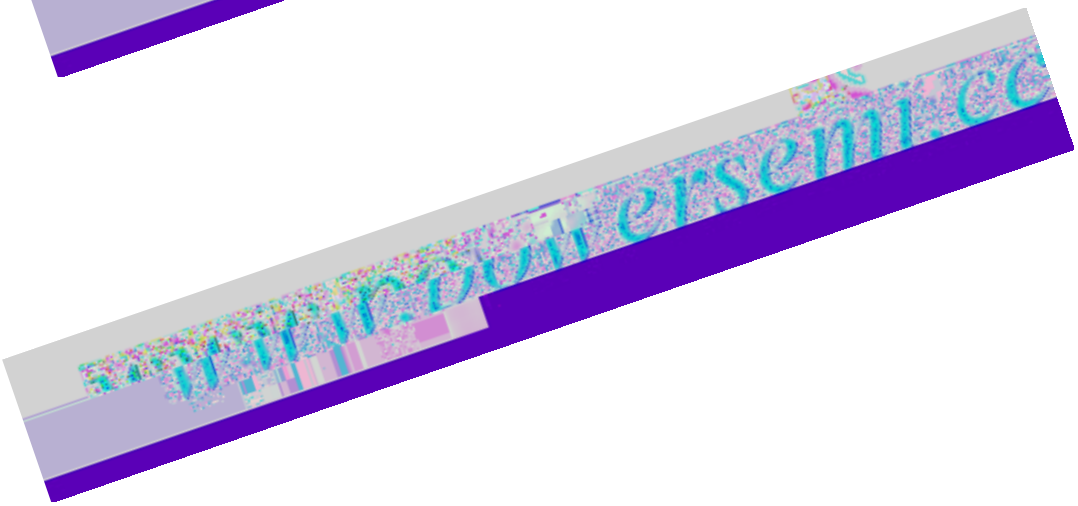

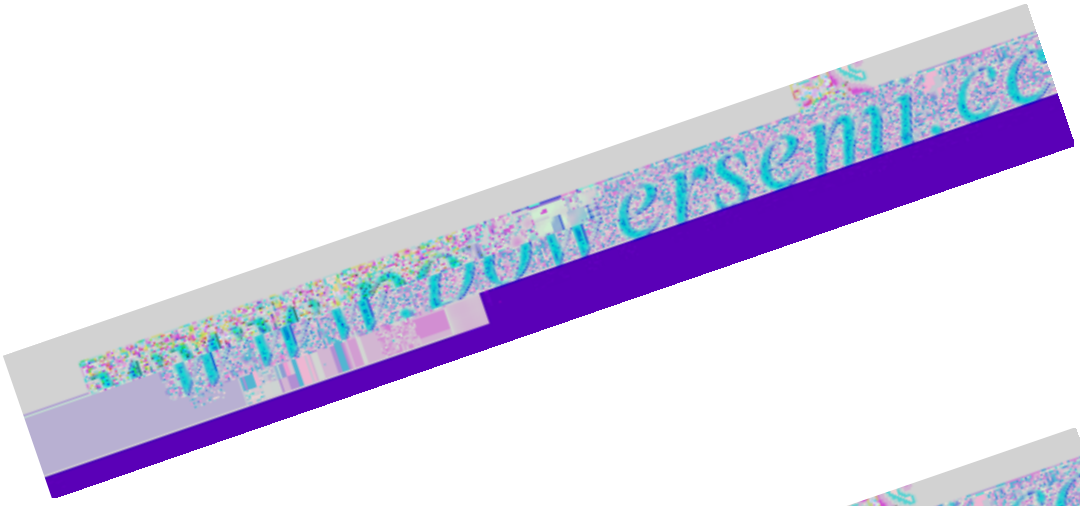

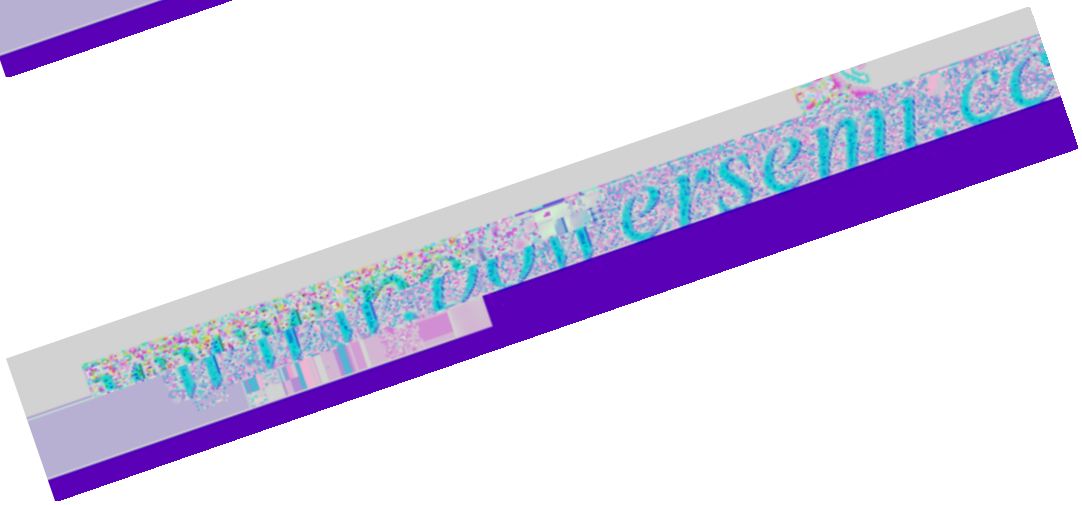

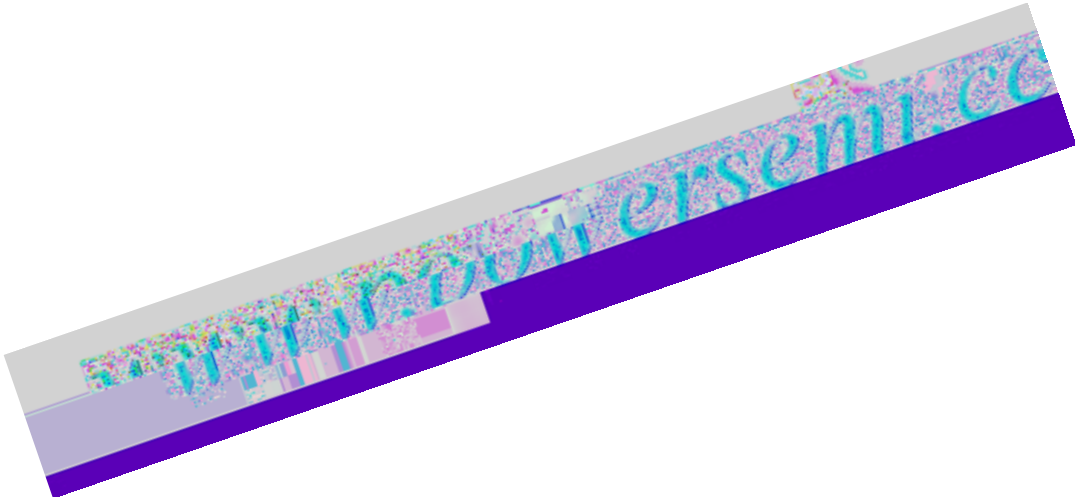

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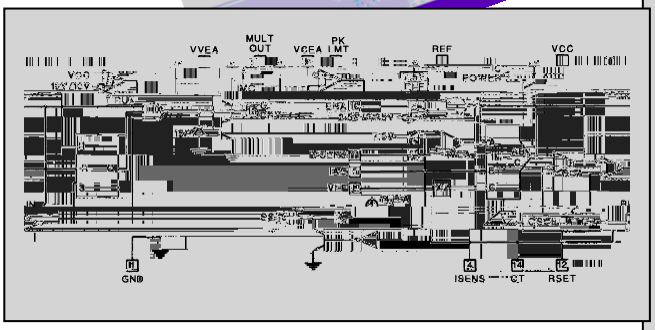

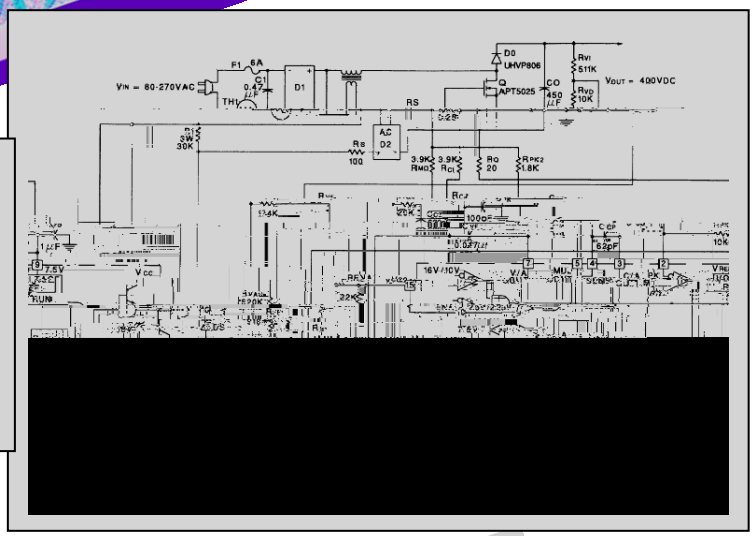

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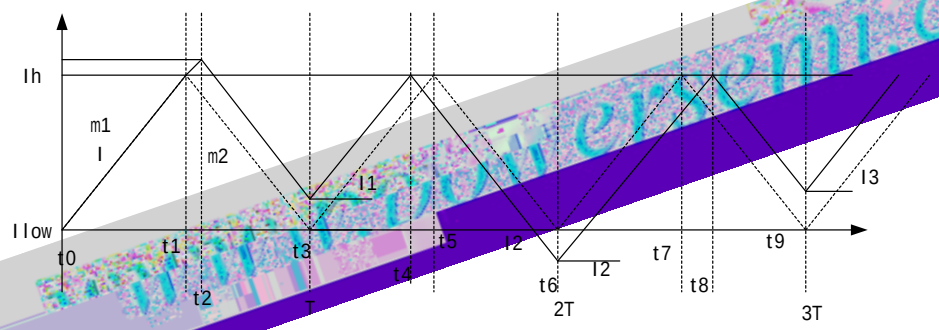

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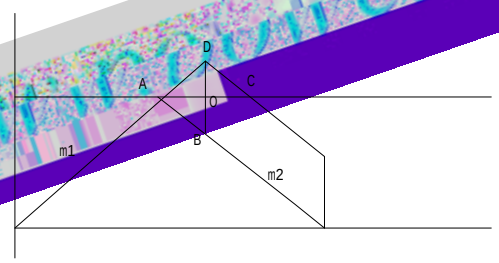

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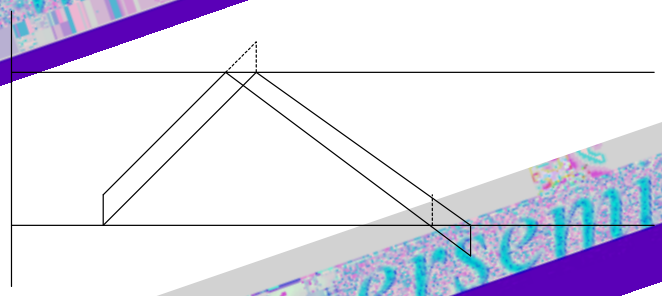
DO= ö I, DB= ö I1 ɪ ɔ 4 ɪ Ḳ ɹ ʐ DOC 4 AOB

OC/AO=DO/OB ,OB= ö I1- ö I,AO= ö I/m1,OC= ö I/m2, ˝I ˛ ʐ ɪ ö I1= ö I+ ö I*m2/m1

ɪ ʉ š ɟ ɪ ɪɛ ȧ ɒ Ḱ ( ) ş



(ɔ)

EF=GH, ʜ EF= ö I1/m1 ő GH= ö I2/m2, ʒ ʜ ɪ ö I1*m2/m1 Ţ ö I2, ȧ ş ö I2 Ţ ō ö I+ ö I*m2/m1 Ŏ *m2/m1

š ᵽ ʎ $(m2/m1)^{n-1}$ š d ɪ ʒ ˚˚ 1, Ɔ Ƙ 1¢

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ŋ ᵽ a Ɵ ő ʌ ɪ Ḃ ɭ ʐ 5 ʒ ¢
ˆ ʃ ǔ (Buck converter) ʜ ő Vo Ţ D*Vin ¢
m1 Ţ ō Vin Œ Vo Ŏ /L ő m2 Ţ Vo/L ¢ m2/ ō m1+ ɑ m Ŏ Û 1 ¢ ʐ Ɥ ť ɪ
ᵽ a Ɵ ɑ m Ü ō 2DVin Œ Vin Ŏ /L ¢
ǔ ˆ ǔ (Boost converter) ʜ ,Vo Ţ Vin/ ō 1-D Ŏ¢
m1 Ţ Vin/LO Vn Œ Vi ɒ Ş ɒ l m1 ʂ ¢~mo Ɥ È Ó ¸

( ) (: ɪ̣ ʃ , : ɪ̣)
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x # :

1.Mohan,Power electronics design, application
2.L. H. Dixon, “Average Current Mode Control of switching power Supplies,” Unitrode Power Supply Design Seminar Manual SEM 1990.
3. ʜ ɪ ő ɪ̇ ᵈ ɪ̀ ˉ ʀ ʃ ɔ ˓