1. MOSFET out effective Channel length 7th 2. MOSFETOTIAL output conductance of Saturi 는 स्थान वाम येवास प्री.

Cadolf 1212 Channel Length 7+ Ldraun 이라고하면, 실제 Channel length = Ldman - AL & ZOICL.

Shallon Junction & stol & and Ids = Agnr 0123 Wainr ·V = W (oxe (Vgs-Vt) Mns · Vds & Yolth.

0=17141 L= Laraun - AL 0/123 Vas = Ids (Ldmin-AL) O/EL.

Shallow Junction & DOLY Rds = Rd+Rs76 Honzles Vas 71 712 Vas 91 Ids Ras 71 대체인 Vols = Ids Rds + Ids (Ldraun -AL) 71 5/21 WCox+ (Vos-Ve) Mis

OHIS INS LIGHT

Vols = Rds + Ldraun - DL 74 ELL.

Vols - Rds = W Coxe (Vos-Vt) Mrs (Laurum-AL)

이으로 Vos-V+가 어전 전막이른 가게

Vas = Rols, Ldraum = AL & ERY INGS OF UN ZEL

ORN FEE OLE 564 L= Ldum-AL of tyly effective channel length ? 千里午211.

여러에서 5%시, Zero71 SIN 영화 수 있는 아니를 ी मंग्रेम odzt 1140 दिन्द्रीसिट.

9as = dIdsat = 01643 001 3210 12412 730/23/CL

Scotunition SEMMIH 52171 BLY ZUENT Short Chambel Effect ? chy threshold Whage el holl-off せいころ Vds, V+例 のち言う ではていし、

Ezlel 37/74 3bort channel of 3 35/2 words Channel length modulation = 3 2/3/1 DHILIM 37/44 9ds 7/ OU & FREL.

3. MospET= output andutunce 74 0/23-3 Zelo71 SIE HIZZE OFFE YOUM GUE. Dasth Ool Ohlbd VTCTL dodd 2% 03 的阳月714 32 宝砂工L

output conductance 72 00/ 5/42 Louge gai 를 받는 수 있고 Noise marsin 특성이너로 위한 4. 0层 空始初 计完 MOSPET 分层侧础 ा त्तर्त हराह्य मिति .

Small ods 91 7 Voltage gain & 9/24/12 L을 늘리는 방법이 일까만 요즘 I(설계기는 Xell 2/cl (3/2/27 25c/2/)

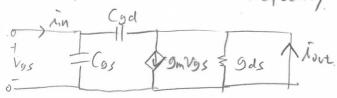
पर छिटेड का यह है ने भिष्टिंड रूप the Design parameter of Tox, Wdep, X5 } 至 千型儿

Forture Length 7 > 26 01/PC Potential Laurel of Diain 20gol 对结至千分比 FYSTESS Dimension & 3402 Gaten 214 통제되는 Chunnel potential 이 전 7년보건.

5. ICOH MOSFET 124 A013 24 CUTOR Frequency
201 PEDITOL CUTU +301 342100 40824 4012.

FELFIL (utoff frequency oliL.

=> Unity cultant gain frequency



Nort 2 on Vos