RF behanow of copacitor relection conglant (Er) -> Electric EY = E (+) E (-) meaning change of medim Do efor dut more of corain TI CI MONTONE OF RODA

industre I juicv OP , Mahred vontre be exact crayect) Rs+RP - 18eg ZESK

(1). Pover factor L COS4= 1 见是十 Rep Reg CCXC, Rep (CVESR) Tepleative = Rs+Rp = acing (epleative) Calico
Service remains)

(iii) Dissipation Factor: ratio of acrowne C(V) Qvalling factor (

(y) Loss tangent (tang) , & #skin depth tans = - = " a PCB (canaut) 1 -> Fe C/3 -> isolmoby/ eatamos alcohol (ceanne)

PCB=FRY Reinforced fabric Suffat 1011 5 = 0.0001 ex 10 kM2 = 0.001 at 100 kH2 -0.01 at 1000 KH2 (1MH) =0-1 at 1 aH2 voglossat 1942. Spearal PCBs - Dielector C SUBStranté tans - 0,0001 at 19H2 (var 1 cm long at 1 GHL)

Dreleanc 86hbspuls tan 8 20,000 [at - Arlon - Ta con a perfect capainten Reg (CrESR) = 0 DC blorda

RF behavour og Induster (L) a une that so (otted (or wonded) in som a march so as to increal magnetic flux linlage begrenturg of

AC (or RF) eggs dut of Indutor C12 domborion Ob at recaterned at me

(~) (大「二)かり 1 france

For a petect indution $O_{S} = \frac{1}{R_{S}} = \frac{WL}{R_{S}} = \frac{2\pi SL}{R_{S}} = \frac{2}{R_{S}}$ To increese Q of indutiv (i) use a larger diametricy une some is larger - R= Cf = smaller (A) C(1) Spread the windings apart and win increme DC=EA=Smaller Canonic) whenever C(1) I in many in the common of a many in th I have L by increas berneability and

Hpkicotis of inductor Renount Old Phase Shiften (9) Delay network (At) RE chake (blocks the RE) Bias Tee (BiasT) (Dc blow)