18573058 就跟远

7-1 1. 解: 介质填充系数 g= \(\frac{1}{2}\) | + (|+ \(\frac{12d}{2d}\)) | \(\frac{1}{2}\)] = 0 689

等效介电常数 (== |+ g((v-1) = |+ 0.689 (9→1) = 6.633

特性阻抗 30= 1202 = 34.70

2. M 11) 0 (2°) = 2 TEr = 50 TE = 155.0 南国习色。g=0.61

那桶等新包容數 (4) = |+ g ((4-1) = |+ 0 61(9.6-1)=6.25

Q (Z°)2 = Zo TEg = 50 16.25 = 125 02

由国司知 92=0.64

现名 Sec= |+ q: (sr-1)= |+ 0 任 (9.6-1)= 650 满差 (sec- sei) = 650-625 = 38%> 1.5% 需接续

图 (至)3= 元 紀= 5016.50=127.50 南国有 93=0.64 Ses = 1+ (3/er-1) = 1+ 0.64(9.6-1) = 6.50 送差=041.5%

● 取 6= 6es= 650. 得 28= Zou Fee= 127.5Ω 重得 岩= 0.98 那么W= 0.98

(4) Ag = Ao = 3.2 = 1.26 cm 由于=0.02 光=0.98 重国司得 0.33d =4.2dB

 $R_6 = 2.6 \times |0.7| f_{\Omega} = 2.6 \times |0.7| \frac{3 \times |0.8|}{|0.032|} \Omega = 0.025 \Omega$

=> $\lambda_c = \frac{4.2 \times 0.025}{50 \times 0.1} = 0.021 \, dB/cm$

dd = 27 3 \frac{\xe_1}{40-1} \frac{\xe_2}{\xe_4} = 27.3 \frac{650-1}{96-1} \frac{96}{1.50} = \frac{0.2x\xeta_2}{1.26} = 0.004 dB/cm

国的 d= 1 Po = Oct dd. 了在得住新 20m/s 的午藏乾力 Po = 21(dctdd) = 0.] = 1.7.