

APPLICATION NOTE



RF POWER SEMICONDUCTORS

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Prepared : K.Inaba
Confirmed : S.Kametani
(Taking charge of Silicon RF by
MIYOSHI Electronics)

SUBJECT: RD06HVF1 broad band characteristics for 135-175MHz

SUMMARY:

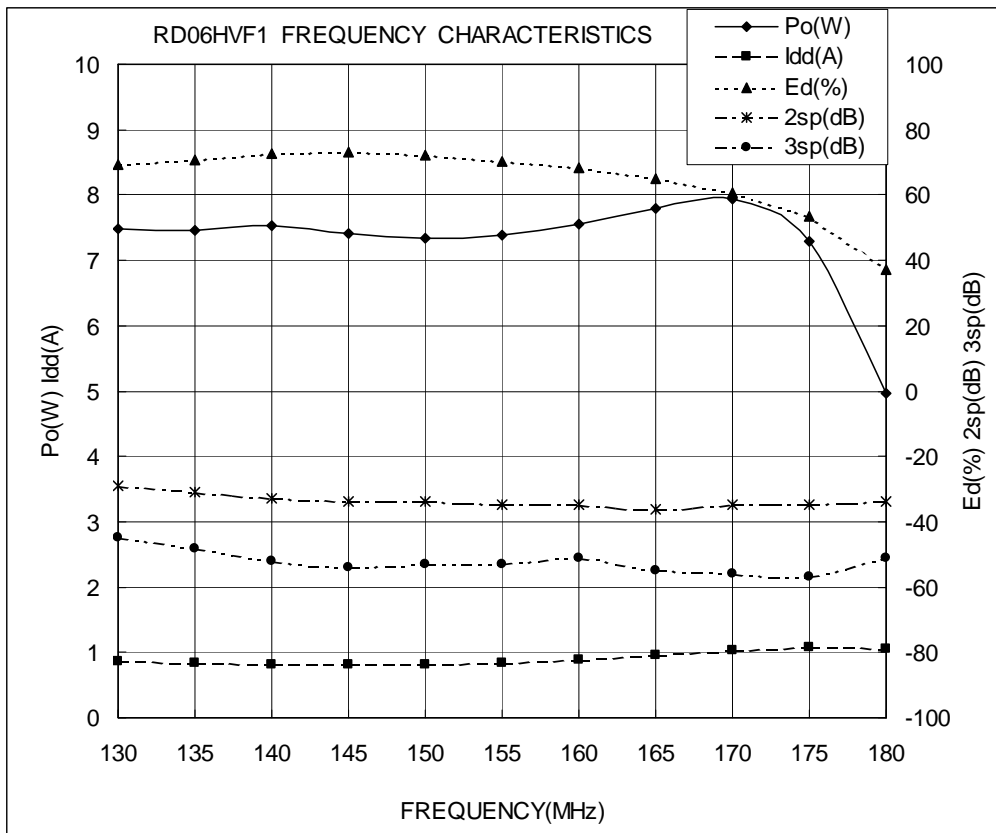
This application note shows the RF characteristics data for 135MHz-175MHz with RD06HVF1 single stage amplifier.

- Sample : RD06HVF1

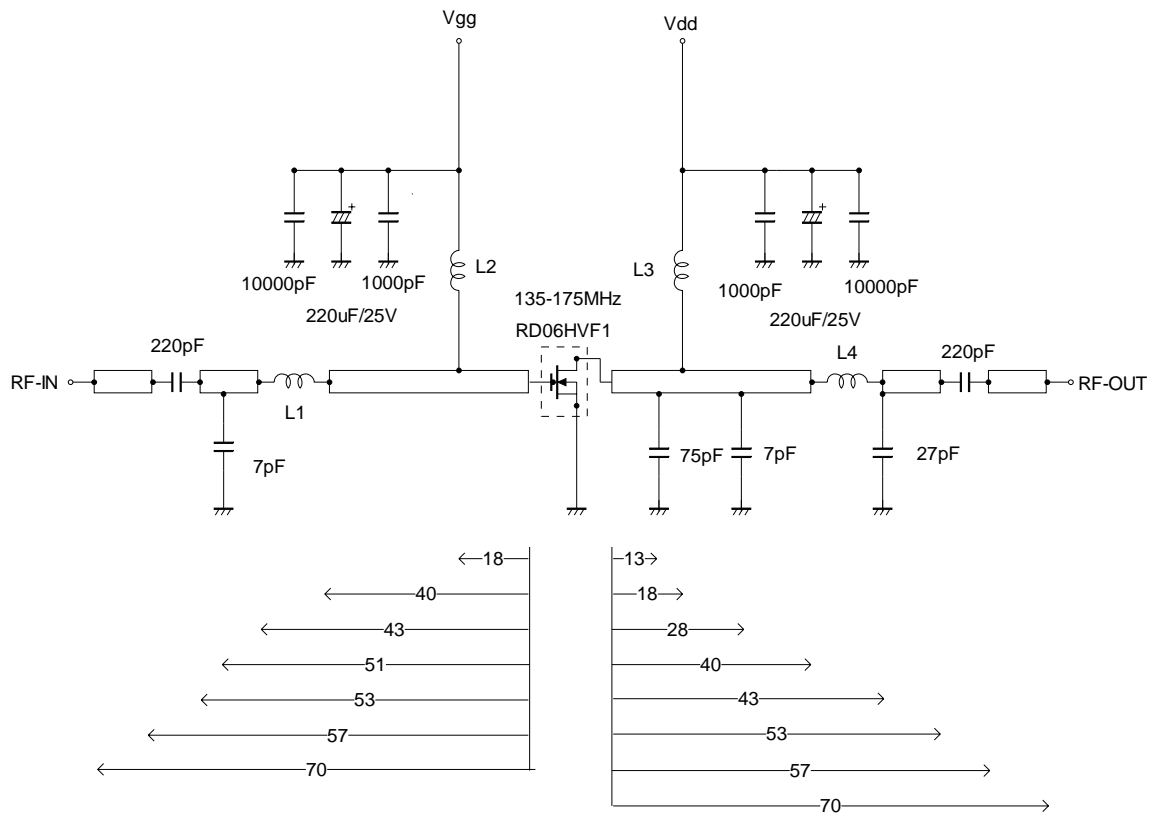
- Measurement conditions :
 @f=135MHz to 175MHz: Vdd=12.5V, Pin=0.3W , Idq=0.3A (Vgg adj.)

- Results :
 Page 2 shows frequency characteristics.
 Page 3 shows the measurement circuit.

1. FREQUENCY CHARACTERISTICS



2. Measurement circuit.



- L1:7Turns,I,D1.6mm,D0.4mm enameled copper wire
- L2:4Turns,I,D1.6mm,D0.4mm enameled copper wire
- L3:7Turns,I,D1.6mm,D0.4mm enameled copper wire
- L4:6Turns,I,D1.6mm,D0.4mm enameled copper wire

Note:Board material-Teflon substrate
 micro strip line width=3.0mm,er:3.8,t=1.4mm
 Dimensions:mm

