

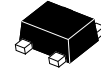
# RF Transistor, NPN Single MCPH4

3.5 V, 40 mA,  $f_T = 25$  GHz

## MCH4009

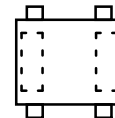
### Features

- Low-Noise Use:  $NF = 1.1$  dB typ ( $f = 2$  GHz)
- High Cut-Off Frequency :  $f_T = 25$  GHz typ ( $V_{CE} = 3$  V)
- 



SC-82FL  
MCPH4  
CASE 419AR

### ELECTRICAL CONNECTION





TYPICAL CHARACTERISTICS

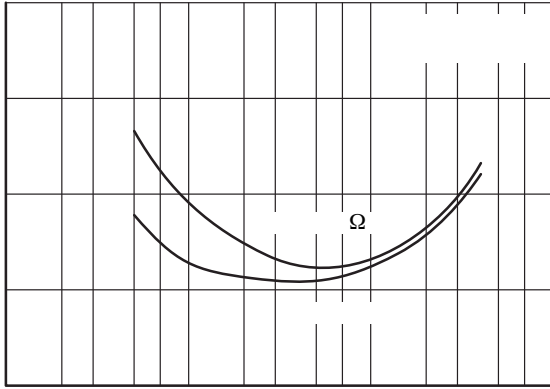


Figure 7. NF -  $I_C$

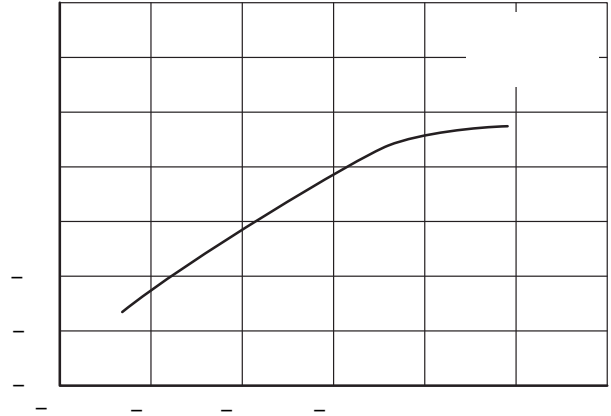


Figure 8.  $P_{ou}$  -  $P_{in}$

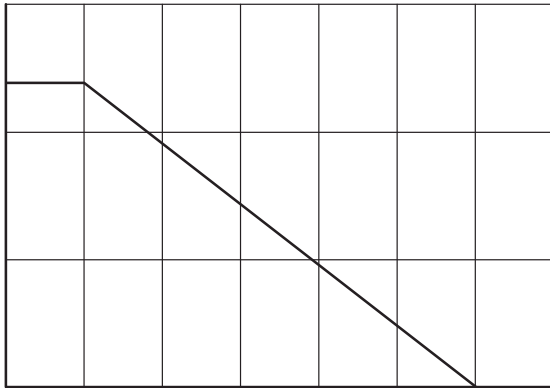


Figure 9.  $P_C$  -  $T_a$



# MCH4009

## S Parameters (Common Emitter)

Table 2.  $V_{CE} = 1\text{ V}$ ,  $I_C = 5\text{ mA}$

Freq [MHz]	S11	$\angle S11$
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**MCH4009**



S Parameters (Common Emitter)



# MCH4009

## S Parameters (Common Emitter)

Table 2.  $V_{CE} = 3\text{ V}$ ,  $I_C = 5\text{ mA}$

Freq [MHz]	S11	$\angle S11$	S21	$\angle S21$	S12	$\angle S12$	S22	$\angle S22$



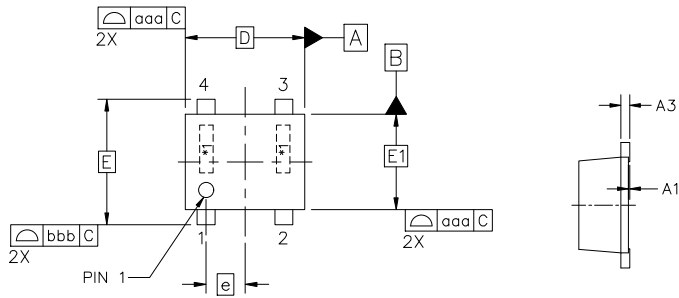




SC-82FL/MCPH4, 2.00X1.60X0.85 0.65P

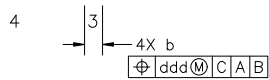
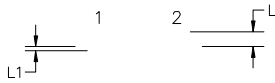
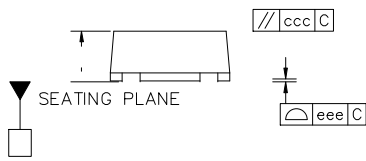
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TOP VIEW

END VIEW



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