

RF Transistor, NPN Single MCPH4

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

MCH4009



| SC-82FL
MCPH4
CASE 419AR

ELECTRICAL CONNECTION



TYPICAL CHARACTERISTICS

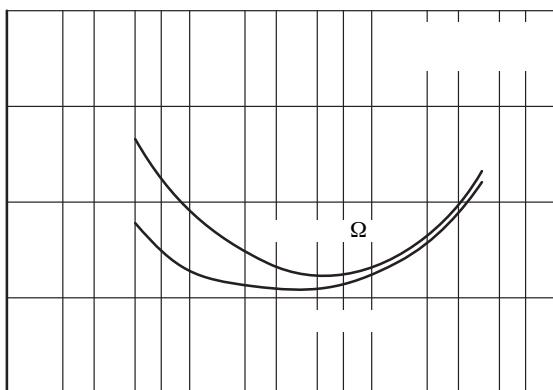


Figure 7. NF – I_c

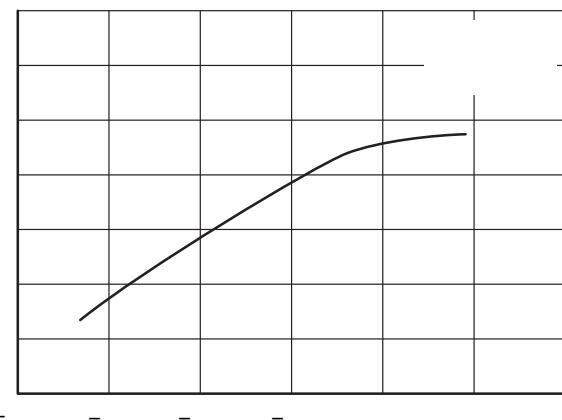


Figure 8. Pou – Pin

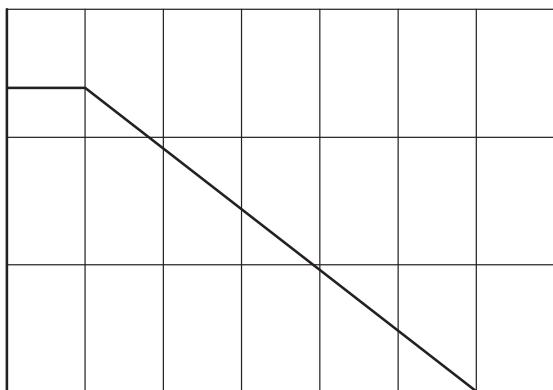


Figure 9. P_c – Ta

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S Parameters (Common Emitter)

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

Freq [MHz]	$ S_{11} $	$\angle S_{11}$

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S Parameters (Common Emitter)

Table 2. $V_{CE} = 1$ V, $I_C = 20$ mA

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S Parameters (Common Emitter)

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S Parameters (Common Emitter)

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

Freq [MHz]	$ S_{11} $	$\angle S_{11}$	$ S_{21} $	$\angle S_{21}$	$ S_{12} $	$\angle S_{12}$	$ S_{22} $	$\angle S_{22}$

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S Parameters (Common Emitter)

Table 2. $V_{CE} = 3$ V, $I_C = 10$ mA

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S Parameters (Common Emitter)

Table 2. $V_{CE} = 3$ V, $I_C = 20$ mA

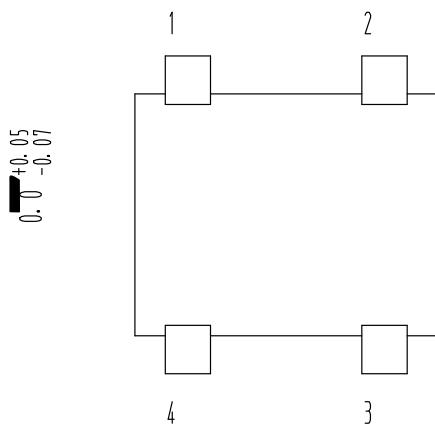
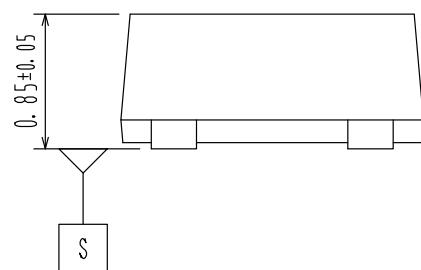
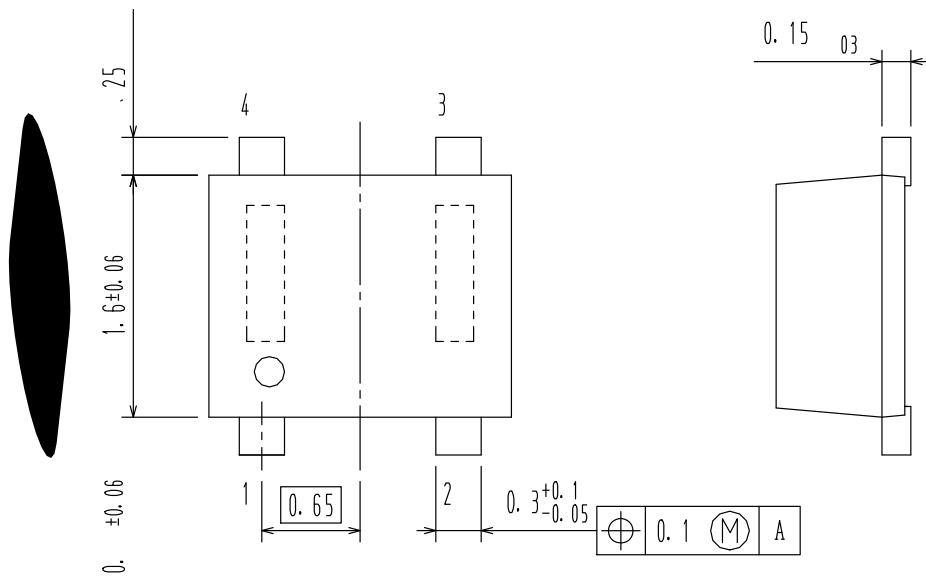
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S Parameters (Common Emitter)

Table 2. $V_{CE} = 3$ V, $I_C = 30$ mA

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