## R\&K-MX090-1S



TYPICAL PERFORMANCE (Temp @+25º )

- LO\&RF Frequency
:0.05
$\sim 300 \mathrm{MHz}$
$\square$ IF Frequency :DC $\sim 300 \mathrm{MHz}$
■ Lo Drive Level :+7dBm
- Low Cost
- RoHS Compliance

SPECIFICATIONS
$\begin{array}{ll}\text { Frequency Range [LO\&RF] } & : 0.05-300 \mathrm{MHz} \\ {[\mathrm{IF}]} & : D C-300 \mathrm{MHz}\end{array}$
[IF] $:$ DC -300 MH
ax. (LO Drive Level +7 dBm )

|  | $0.05-0.5 \mathrm{MHz}$ | $0.5-150 \mathrm{MHz}$ | $150-300 \mathrm{MHz}$ |
| :---: | :---: | :---: | :---: |
| Typ. | 6.0 dB | 5.5 dB | 7.0 dB |
| Max. | 11.0 dB | 7.5 dB | 9.5 dB |

Isolation (min.)

|  | $0.05-0.5 \mathrm{MHz}$ | $0.5-150 \mathrm{MHz}$ | $150-300 \mathrm{MHz}$ |
| :---: | :---: | :---: | :---: |
| LO - RF | 45 dB | 25 dB | 20 dB |
| LO - IF | 40 dB | 20 dB | 10 dB |
| RF - IF | 25 dB | 15 dB | 10 dB |


| Input IP3 @Center Band | $:+13 \mathrm{dBm}$ (typ.) |
| :--- | :--- |
| Input 1dB Comp. Point | $:+1 \mathrm{dBm}$ (typ.) |
| Impedance (All Ports) | $: 50 \Omega$ |
| Maximum RF Input Power | $: 50 \mathrm{~mW}$ |
| Maximum Peak IF Current | $: 50 \mathrm{~mA}$ |
| Operating Temperature | $:-40^{\circ} \mathrm{C}$ to $+85^{\circ} \mathrm{C}$ |
| Storage Temperature | $:-40^{\circ} \mathrm{C}$ to $+100^{\circ} \mathrm{C}$ |
| Connectors (Standard) | $:$ SMA-Female |
| Connectors (Option) | $: \mathrm{BNC}$-Female |
| Weight (SMA Connector) | $: 65 \mathrm{~g}$ (typ.) |

HOW TO ORDER
Model Name
R\&K-MX090-1S $\quad \square \begin{aligned} & S=\text { SMA }- \text { FEMALE } \\ & B=B N C\end{aligned}$


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## R\&K Company Limited

721-1 Maeda,Fuji-City,Shizuoka-Pref.416-8577 Japan
Tel:+81-545-31-2600 E-mail:info @rkco.jp Fax: +81-545-31-1600 URL: http://rk-microwave.com


[^0]:    R\&K reserves the right to make changes in the specifications of or discontinue products at any time without notice. R\&K products shall not be used for or in connection with equipment that requires an extremely high level of reliability and safety such as aerospace uses or medical life support equipment. Further, R\&K cannot export products to any country for use in military or defense applications

