

Features

- Frequency Range: 2.0~18.0GHz
- Custom design available
- The film,high reliable
- Connectorized package available
- Operating Temperature Range: -55°C~+85°C

Electrical (50 Ω, T_A=-55°C~+85°C)

Parameter	MKF0218-0108		MKF0218-0213	
	Typical	Guaranteed	Typical	Guaranteed
Frequency Range f _L ~f _H (GHz)	2.0~18.0		2.0~18.0	
Gain GP (dB)	20	18	30	28
Gain FlatnessΔGP(dB)	±0.8	±1.5	±1.5	±2.0
Input VSWR VSWR _i	2.0	2.5 Δ	2.0	2.5 Δ
Output VSWR VSWR _o	1.8	2.5 Δ	1.8	2.5 Δ
Noise FigureNF(dB)	4.5	5.0 Δ	4.5	5.0 Δ
For 1dB Compression P-1(dBm)	11	10 Δ	14	13 Δ
DC Current V _{dd} /I _{dd} (V/mA)	12/90		12/170	
Package	2C		3C	

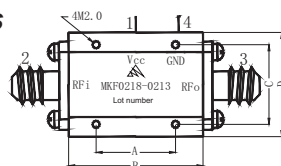
Note: “*” f=10 GHz.“ Δ ” T_A=24 ± 1 °C.

Maximum Ratings

Power supply: +14V_{DC}

RF input: +10dBm

Storage Temp: +125°C



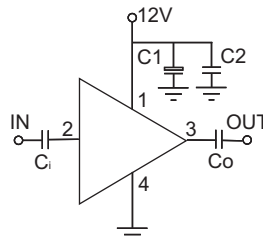
mm	2C	3C	4C
A	9.0	13	16
B	17	22	27
C	13.0	13.0	13.0
D	17	17	17
H	8	8	8

Application Notes

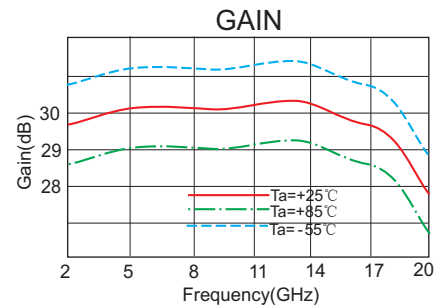
1. Typical application shown as right,
C₁=3.3~22 μF, C₂=1000~3300pF.

2.Connectorized package available.

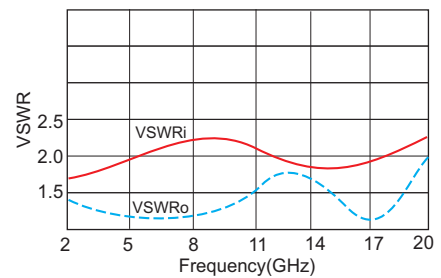
3.See assembly section for outline and mounting information.



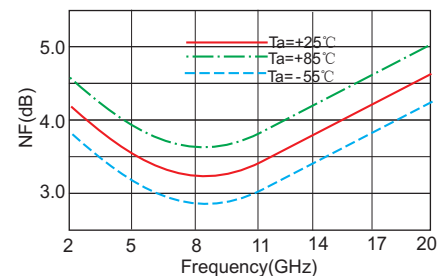
Typical Curves (MKF0218-0213)



POWER OUTPUT



NOISE FIGURE



OUTPUT 1dB

