

Features

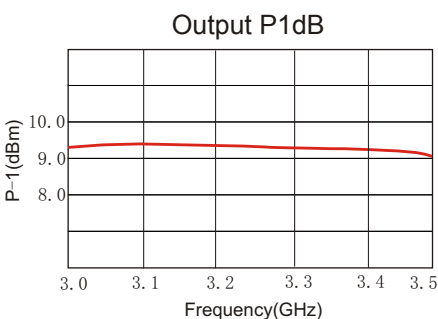
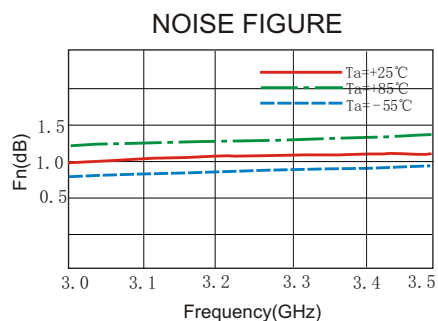
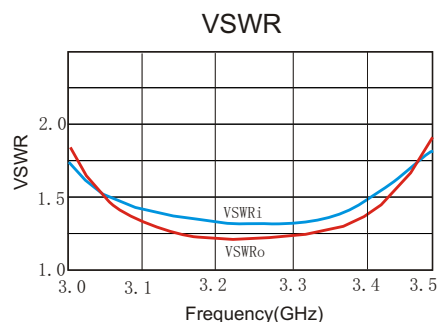
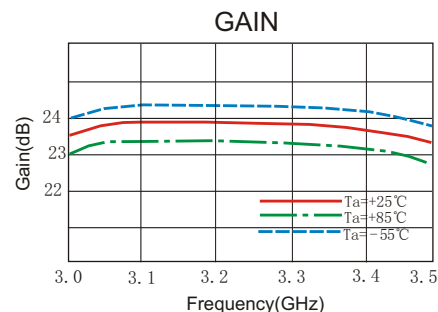
- Frequency Range: 3.1~3.4GHz
- Low Noise: 1.1dB(Typical)
- Standard Hermetic Package
- Operating Temperature Range: -55°C ~ +85°C

Specifications (50 Ω , $V_{CC} = +12V$, $T_A = -55^\circ C \sim +85^\circ C$)

Parameter	Symbol	Unit	Guaranteed	Typical
Frequency Range	$f_L \sim f_H$	GHz	3.1~3.4	3.1~3.4
Gain	G_p	dB	≥ 22.0	23.0
Gain Flatness	ΔG_p	dB	$\leq \pm 0.5 \Delta$	± 0.3
Noise Figure	F_n	dB	$\leq 1.5 \Delta$	1.1
Input VSWR	VSWR _i	---	$\leq 2.0:1$	1.5:1
Output VSWR	VSWR _o	---	$\leq 2.0:1$	1.5:1
Output Power @ 1dB Compression	P-1	dBm	$\geq 8.0 * \Delta$	9.0
DC Current	I_{CC}	mA	---	50

"*" $f = 3400MHz$; " Δ " $T_A = 24 \pm 1^\circ C$;

Typical Curves

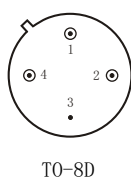


Maximum Rating

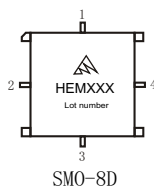
DC Voltage : +13.5VDC

RF Input: +10dBm

Storage Temp: +125°C



TO-8D



SMO-8D

Application Notes

1. Typical application shown as right,
 $C_1 = 10 \sim 33 \mu F$; $C_2 = 3300 \sim 6800 pF$;
2. See assembly section for mounting information
3. Connectorized package(SMA-1)available
- 4.ESD observe handling precautions

