

Features

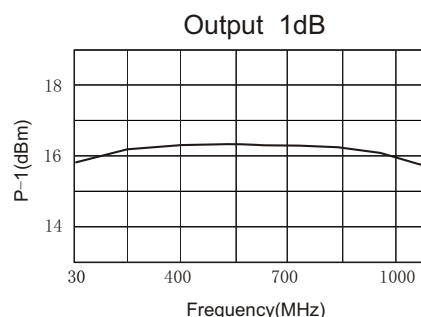
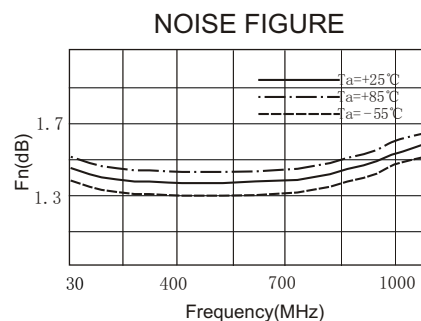
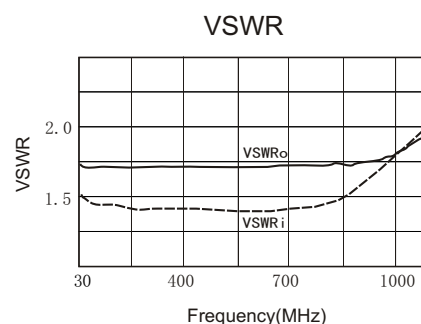
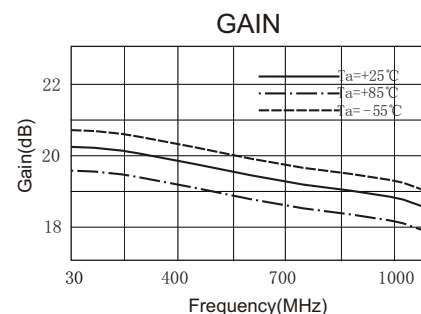
- Frequency Range: 30~1000MHz
- Active Bias Design Supply Temperature Compensation
- Low Noise: 1.5dB(Typical)
- Standard Hermetic Package TO-8C, SMO-8C
- Operating Temperature Range: -55°C ~ +85°C

Specifications (50 Ω , $V_{CC} = +5V$, $T_A = -55^\circ C \sim +85^\circ C$)

Parameter	Symbol	Unit	Guaranteed	Typical
Frequency Range	$f_L \sim f_H$	MHz	30~1000	30~1000
Gain	G_p	dB	≥ 17.0	19
Gain Flatness	ΔG_p	dB	$\leq \pm 1.0$	± 0.5
Noise Figure	F_n	dB	$\leq 2.0 \Delta$	1.2
Input VSWR	VSWR _i	---	$\leq 2.0:1 \Delta$	1.7:0
Output VSWR	VSWR _o	---	$\leq 2.0:1 \Delta$	1.7:0
Output Power @ 1dB Compression	P_{-1}	dBm	$\geq 15.0 * \Delta$	17.0
DC Current	I_{CC}	mA	---	55

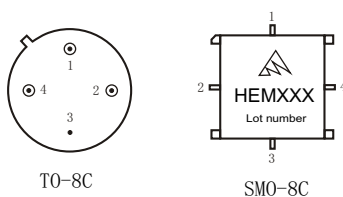
“*” $f = 600MHz$; “ Δ ” $T_A = 24 \pm 1^\circ C$;

Typical Curves



Maximum Rating

DC Voltage : +6V_{DC}
RF Input: +10dBm
Storage Temp: +125°C



Application Notes

1. Typical application shown as right,
 $C_1 = 3.3 \sim 22 \mu F$; $C_2 = 3300 \sim 6800 pF$;
2. See assembly section for mounting information
3. Connectorized package(SMA-1) available
4. ESD observe handling precautions

