



Features

- Frequency range: 5~2000MHz
- Low insertion Loss, Tunable limiting level
- Thin film construction 50Ω impedance
- TO-8C and SMO-8C packages available
- Operating temperature range: -55°C~+85°C

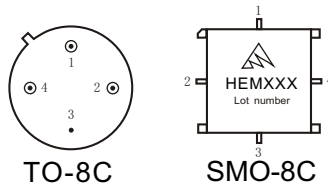
Specifications (measured a 50Ω system 15V≤VCC≤20V, -55°C≤TA≤+85°C)

| Parameter | Symbol | Unit | Guaranteed | | Typical |
|--------------------------|--------------------------------|------|----------------------|-----------------|---------|
| Frequency range | f _L ~f _H | MHz | 5~2000 | | 5~2000 |
| Insertion Loss | IL | dB | 5~1000MHz | 2.7 | 2.5 |
| | | dB | 1.0~2.0GHz | 4.0 | 3.5 |
| Insertion Loss (VCC=10V) | IL | dB | 5~1000MHz | 3.0 | 2.8 |
| | | dB | 1.0~2.0GHz | 4.5 | 4.0 |
| VSWR of input/output | VSWR | — | 2.0:1 | | 1.7:1 |
| Output power | P _o | dBm | 5~1000MHz | 3.0 | 2.5 |
| | | dBm | 1.0~2.0GHz | 4.0 | 3.5 |
| Output power (VCC=10V) | P _o | dBm | 5~1000MHz | -2.5 | -2.0 |
| | | dBm | 1.0~2.0GHz | -4.0 | -3.5 |
| 1dB Compression | P _{0.1dB} | dBm | V _{CC} =20V | -2 [△] | -1.0 |
| | | dBm | V _{CC} =15V | -3 [△] | -2.0 |
| | | dBm | V _{CC} =10V | -6 [△] | -5.0 |
| Bias current | I _{CC} | mA | V _{CC} =20V | 11 | 10 |
| | | mA | V _{CC} =15V | 8 | 7 |
| | | mA | V _{CC} =10V | 6 | 5 |

“△” Measured at 24±1°C

Absolute Maximum Ratings

Supply voltage: 25V
Storage Temp: +125°C



Application Notes

1. Functional schematic shown as right.
C₁=3.3~22uf, C₂=1000~3300pf
2. Equivalant to L1/SML1 of W-J
3. See assembly section for mounting method

Typical Performance

