



Features

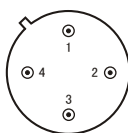
- Thin film coustruction
- Hermetic package
- Operating temperature range : -55℃ ~ +85℃

Specifications(measured in a 50Ω system , Vcc=+5V, T_A=-55℃ ~ +85℃)

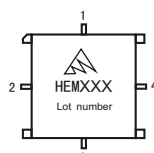
Parameter	Symbol	Unit	Guaranteed	Typical
Frequency Range	$f_L \sim f_H$	MHz	20 ~ 1000	—
Attenuation(Max)	A _{Max}	dB	40.0	—
Insertion loss	IL	dB	2.8	2.5
VSWR of input/output	VSWR	—	1.8 : 1	1.5 : 1
VSWR of output	VSWR	V	1.8 : 1	1.5 : 1
DC Current	I _{cc}	mA	—	10
Control voltage/Current	V _{co} /I _{co}	V/mA	—	0 ~ 7/0 ~ 10

Absolute Maximum Ratings

DC Supply: +7V_{DC}
Input Power: +23dBm
Storage Temp: +125℃



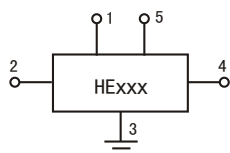
TO-8A-1



SMO-8C

Application Notes

- 1.Functional schematic shown as following, which include an internal coupling capacitor.
- 2.Interexchangeable input and output ports
- 3.See assembly section for mounting method



1. V_{CC}
 2. RF input
 3. V_{CO}
 4. RF output
- The metal case is Ground

Typical Performance

