



Features

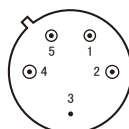
- Thin film construction
- Hermetic package TO-8B
- Operating temperature range: $-55^{\circ}\text{C} \sim +85^{\circ}\text{C}$

Specifications(measured in a 50Ω system , $V_{CC}=+15\text{V}$, $T_A=-55^{\circ}\text{C} \sim +85^{\circ}\text{C}$)

Parameter	Symbol	Unit	Guaranteed	Typical
Frequency Range	$f_L \sim f_H$	MHz	5~1000	—
Attenuation(Max)	A_{Max}	dB	23	25
Insertion loss	IL	dB	2.5	2.2
VSWR of input/output	VSWR	—	2.0:1	1.5:1
DC Supply	V_{CC}	V	—	+15
DC Current	I_{CC}	mA	—	14
Control voltage	V_{CO}	V	—	0~15
Control Current	I_{CO}	mA	—	0~7

Absolute Maximum Ratings

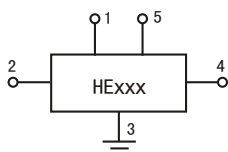
DC Supply: $+18\text{V}_{DC}$
Input Power: $+20\text{dBm}$
Storage Temp: $+125^{\circ}\text{C}$



TO-8B

Application Notes

1. Functional schematic shown as following, which include an internal coupling capacitor.
2. Interexchangeable input and output ports
3. Cascaded with amplifier can be used as VGC amplifier
4. See assembly section for mounting method



1. V_{CC}
2. RF input
3. GND
4. RF output
5. V_{CO}

Typical Performance

