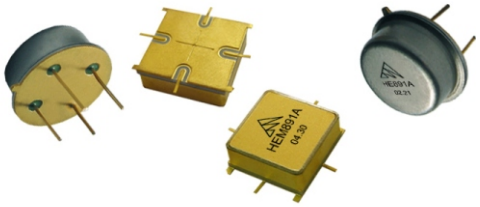
HE891A/HEM891A

Voltage Variable Attenuators



Features

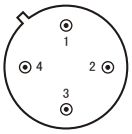
- Thin film coustraction
- Hermetic package
- Operating temperature range: -55℃～+85℃

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

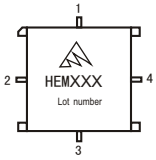
Parameter	Symbol	Unit	Guaranteed	Typical
Frequency Range	f_L～f_H	MHz	20～200	5～300
Attenuation(Max)	A_{Max}	dB	57. 0	–
Insertion loss	IL	dB	3. 2	2. 9
VSWR of input/output	$VSWR_i$	–	1. 8 : 1	1. 3 : 1
VSWR of output	$VSWR_o$	V	1. 8 : 1	1. 3 : 1
DC Current	I_{CC}	mA	–	10
Control voltage/Current	V_{CO}/ I_{CO}	V/mA	–	0～15/0～20

Absolute Maximum Ratings

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



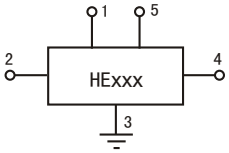
TO-8A-1



SMO-8C

Application Notes

1.Functional schematic shown as following, which include an internal coupling capacitor.
2.Interexchangable 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

