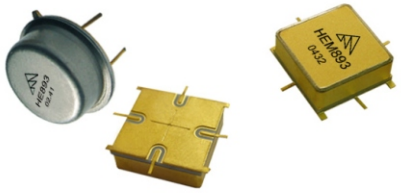
HE893/HEM893
Voltage Variable Attenuators



Features

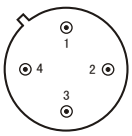
- Thin film coustraction
- Hermetic package
- Operating temperature range : -55℃～+85℃

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

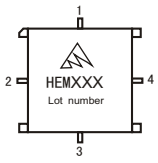
Parameter	Symbol	Unit	Guaranteed	Typical
Frequency Range	f_L～f_H	MHz	20～3000	–
Attenuation(Max)	A_{Max}	dB	25.0	–
Insertion loss	IL	dB	4.2	3.8
VSWR of input/output	VSWR	–	2.0:1	1.6:1
VSWR of output	VSWR	V	2.0:1	1.6:1
DC Current	Icc	mA	–	10
Control voltage/Current	V_{CO}/Ico	V/mA	–	0～7/0～10

Absolute Maximum Ratings

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



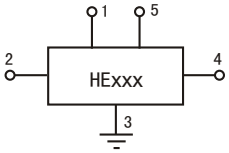
TO-8A-1



SMO-8C

Application Notes

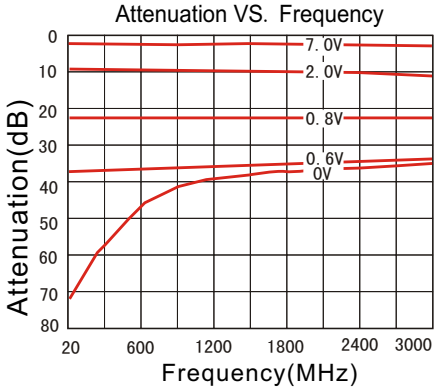
1.Functional schematic shown as following, which include an internal coupling capacitor.
2.Interexchangable input and output ports
3.See assembly section for mounting method



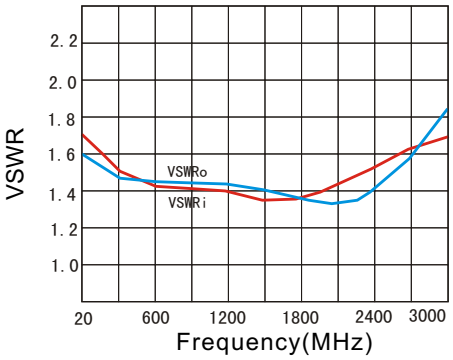
1. V_{CC}
2. RF input
3. V_{CO}
4. RF output
The metal case is Ground

Typical Performance

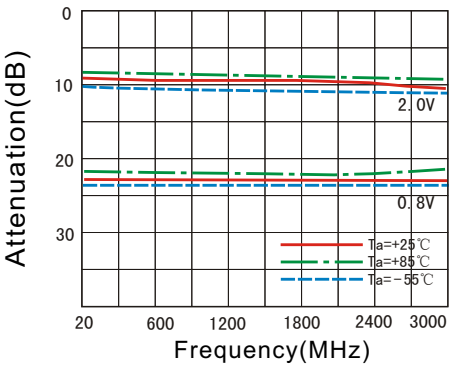
Attenuation VS. Frequency



VSWR VS. Frequency



Attenuation VS. Temperatare



Attenuation VS. Control voltage

