

Features

- Single voltage control
- High attenuation low loss/insertion loss
- Fast switching time <math>< 1.5\mu s</math>
- Thin film construction
- Hermetic package
- Operating temperature range : $-55^{\circ}C \sim +85^{\circ}C$

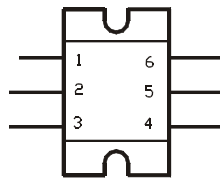
Specifications(measured in a 50Ω system , $V_c=0\sim 10V$, $T_A=-55^{\circ}C \sim +85^{\circ}C$)

C/N	Frequency (GHz)	Insertion loss(dB)	Attenuation Max(dB)	VSWR	Control Current I_{cc} (mA) Δ
HE041-1	2.0~3.0	1.6	50	$\leq 1.8:1$	0~10
HE041-2	3.0~3.8	2.0	45	$\leq 1.8:1$	0~10
HE041-3	3.7~4.5	2.3	40	$\leq 1.8:1$	0~10
HE041-4	4.5~5.5	2.5	35	$\leq 2.0:1$	0~10
HE041-5	5.0~6.0	3.0	35	$\leq 2.0:1$	0~10

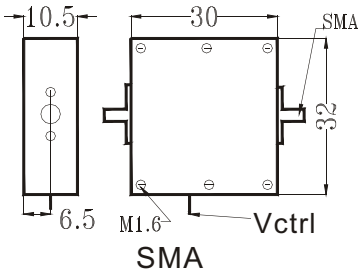
" Δ " Measured at $T_c=24\pm 1^{\circ}C$

Absolute Maximum Ratings

Input Power: +20dBm
Storage Temp: +125 $^{\circ}C$



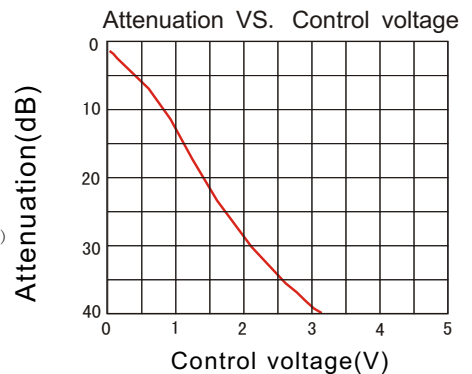
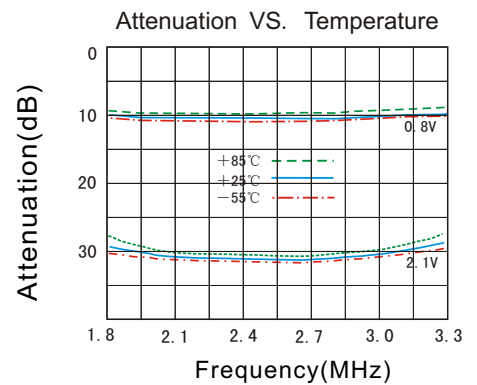
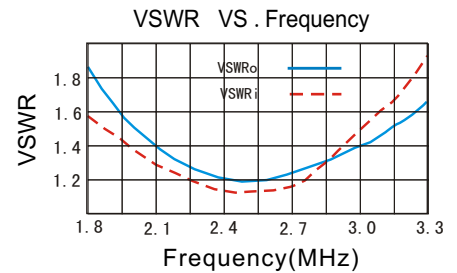
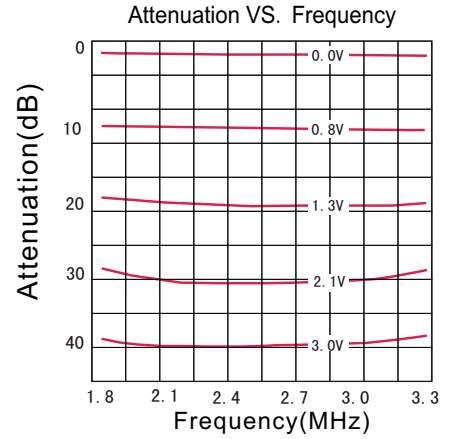
SP-1



PIN Connection

PIN	Function	PIN	Function
1	Control	4	N/C
2	Input	5	Output
3	N/C	6	N/C

Typical Performance



Application Notes

1. Specified frequency rang, attenuation packages are available
2. R depends on the range of control voltage
 $V_c=0\sim 3V$, $R=510\Omega$
 $V_c=0\sim 10V$, $R=2000\Omega$
3. See assembly section for mounting method

