

Type: Y-5,Y-5G

Product Description

- 6.1 × 6.1mm Max.(L × W), 8.0mm Max. Height.
- Operating frequency:0.1~20MHz
- In addition to the reference versions of parameters shown here, custom designs are available to meet your exact requirements

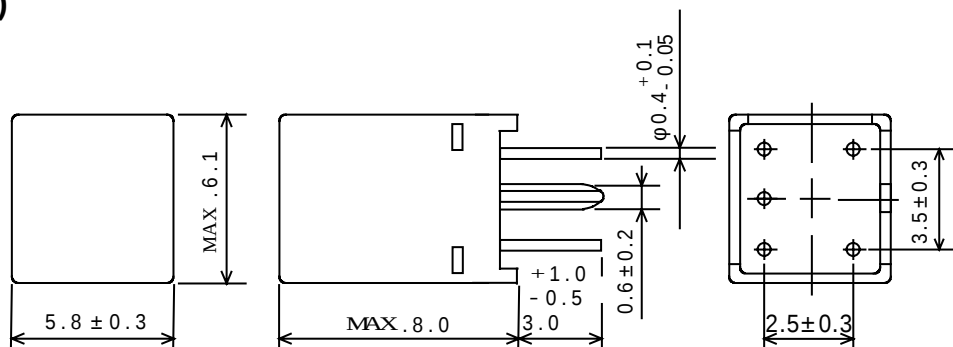
Feature

- Variable(Y-5G) and fixed(Y-5) shielded types are both available.
- Two chip capacitors can be internally mounted in one section.
- Ideally used as video frequency LC filters for VCR, video cameras, etc. (LPF, BPF, Delay Line and Equalizers).
- RoHS Compliance

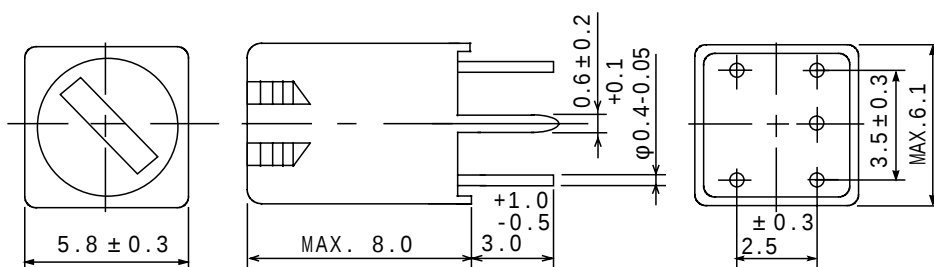
Dimensions (mm)



Y-5



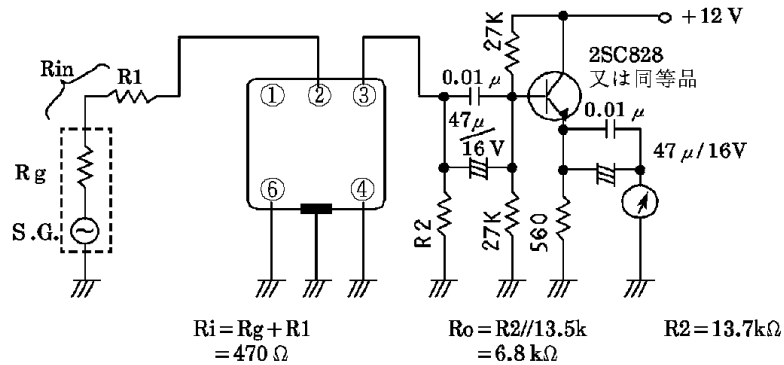
Y-5G



Type: Y-5,Y-5G

Testing Circuit

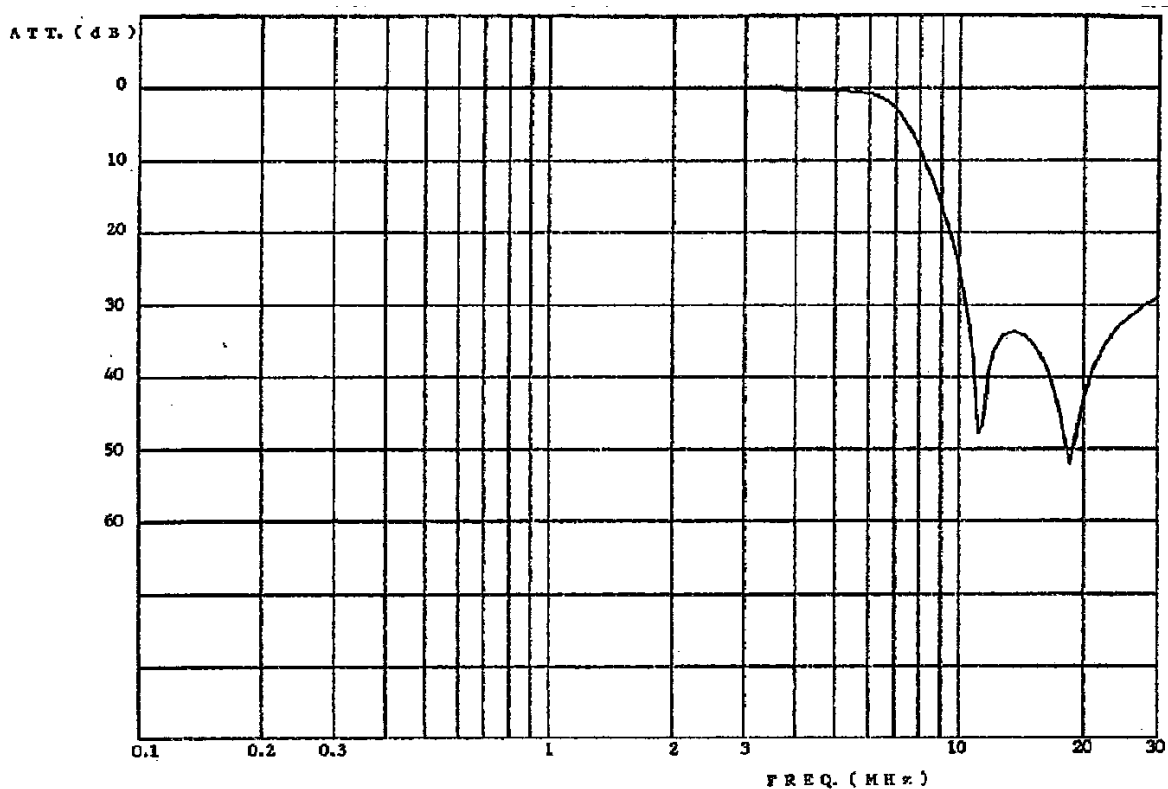
Y-5



Specification (Y-5, Part Number: 2539-JPS-030)

Item	Specification
Input impedance (R_{in})	470Ω
Output impedance (R_{out})	6.8kΩ
Attenuation	7.0MHz
	11.2MHz
	30dB Min..
Insertion loss	0.1MHz
	1.0dB Max.

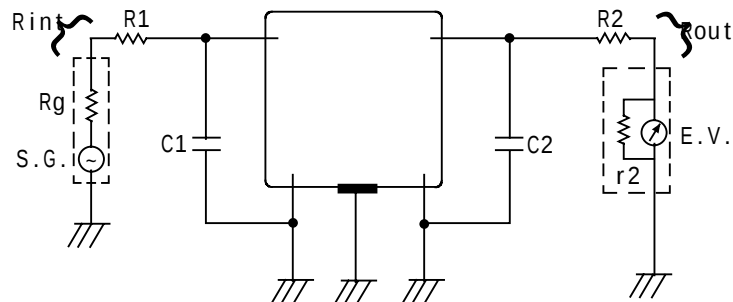
Frequency Response (Attenuation 0dB at 0.1MHz)



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Testing Circuit

Y-5G

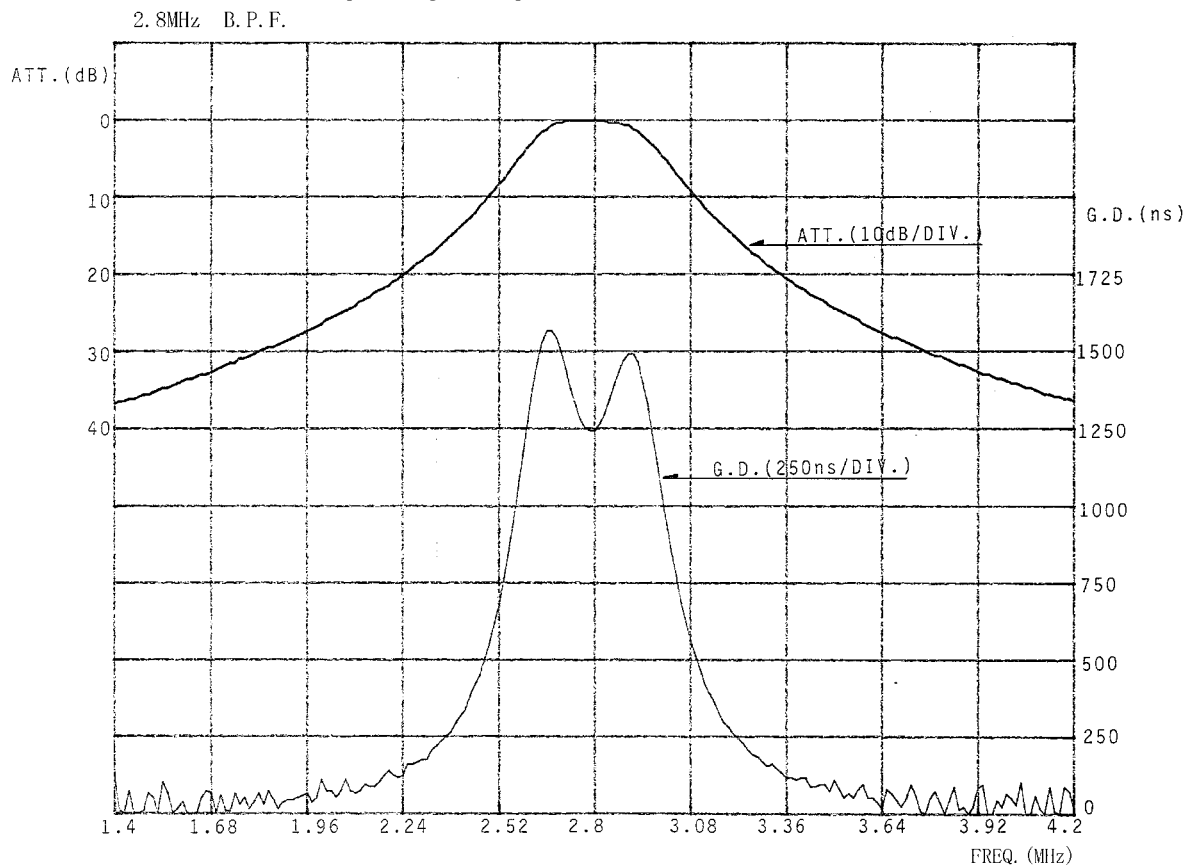


$$\begin{aligned} R_{in} &= R_g + R_1 = 1.8k\Omega \\ R_{out} &= 1.8k\Omega \\ C_1 &= C_2 = 430pF \pm 2\% \end{aligned}$$

Specification(Y-5G,Part Number: 2540-T024)

Item	Spec. A
Input impedance (Rin)	1.8k Ω
Output impedance (Rout)	1.8k Ω
Attenuation	
2.63MHz	3.0dB $\pm$ 3.0dB within
2.97MHz	3.0dB $\pm$ 3.0dB within
2.0MHz	18dB Min.
3.6MHz	18dB Min.
Insertion loss	2.8MHz
2.8MHz	4.5dB Max.
Group delay time	2.8MHz
2.8MHz	1230ns $\pm$ 250ns within

Frequency Response (Attenuation 0dB at 2.8MHz)



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