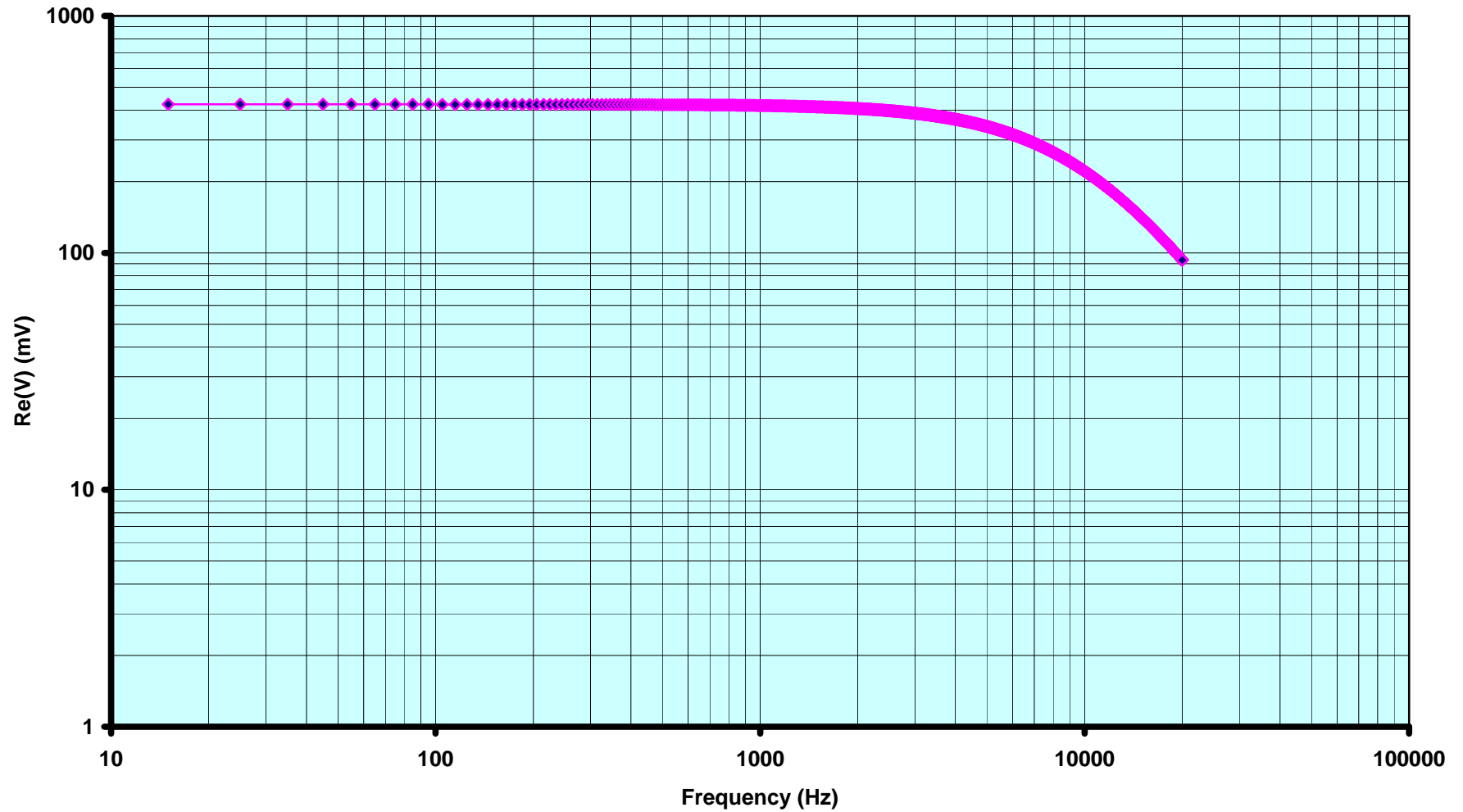
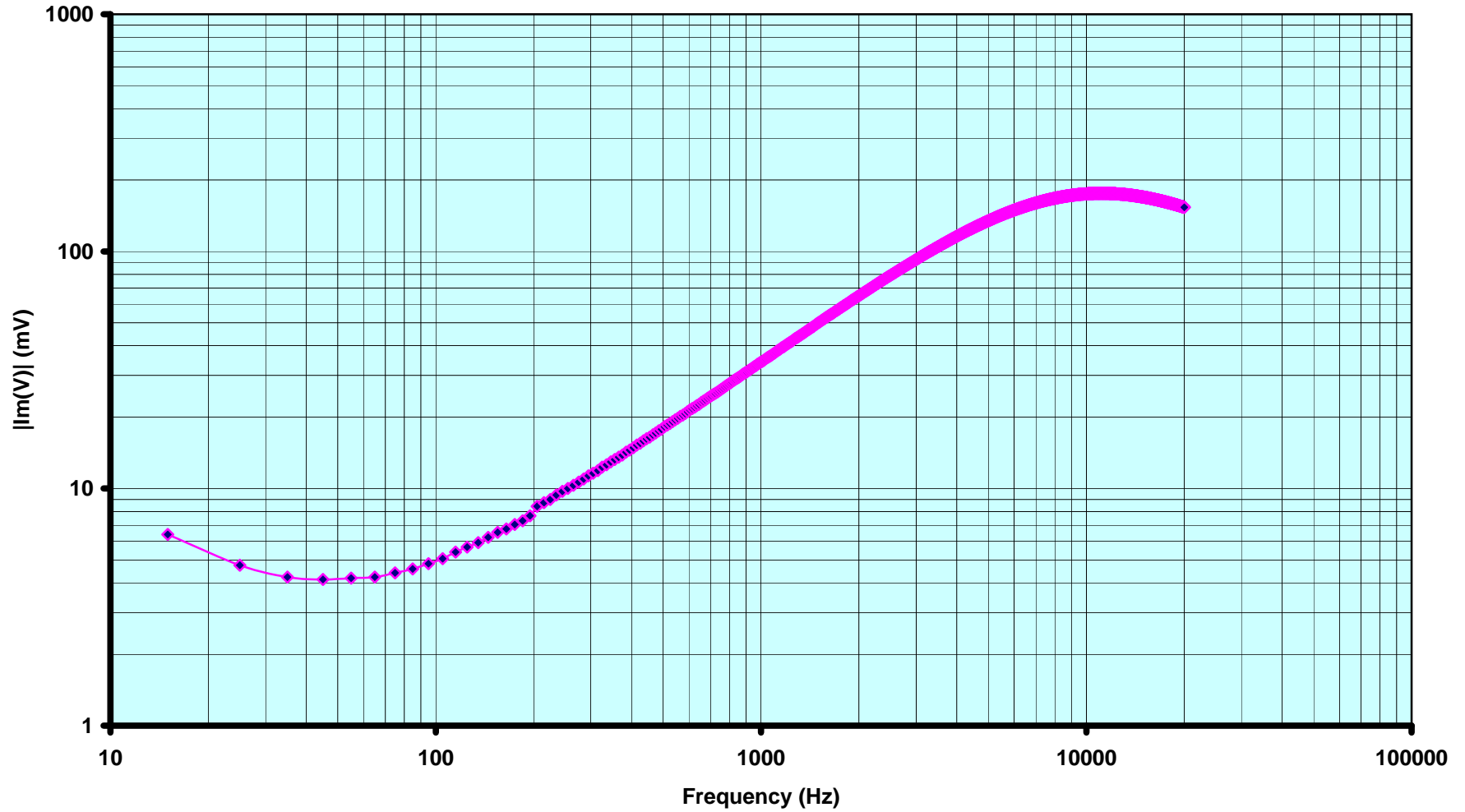


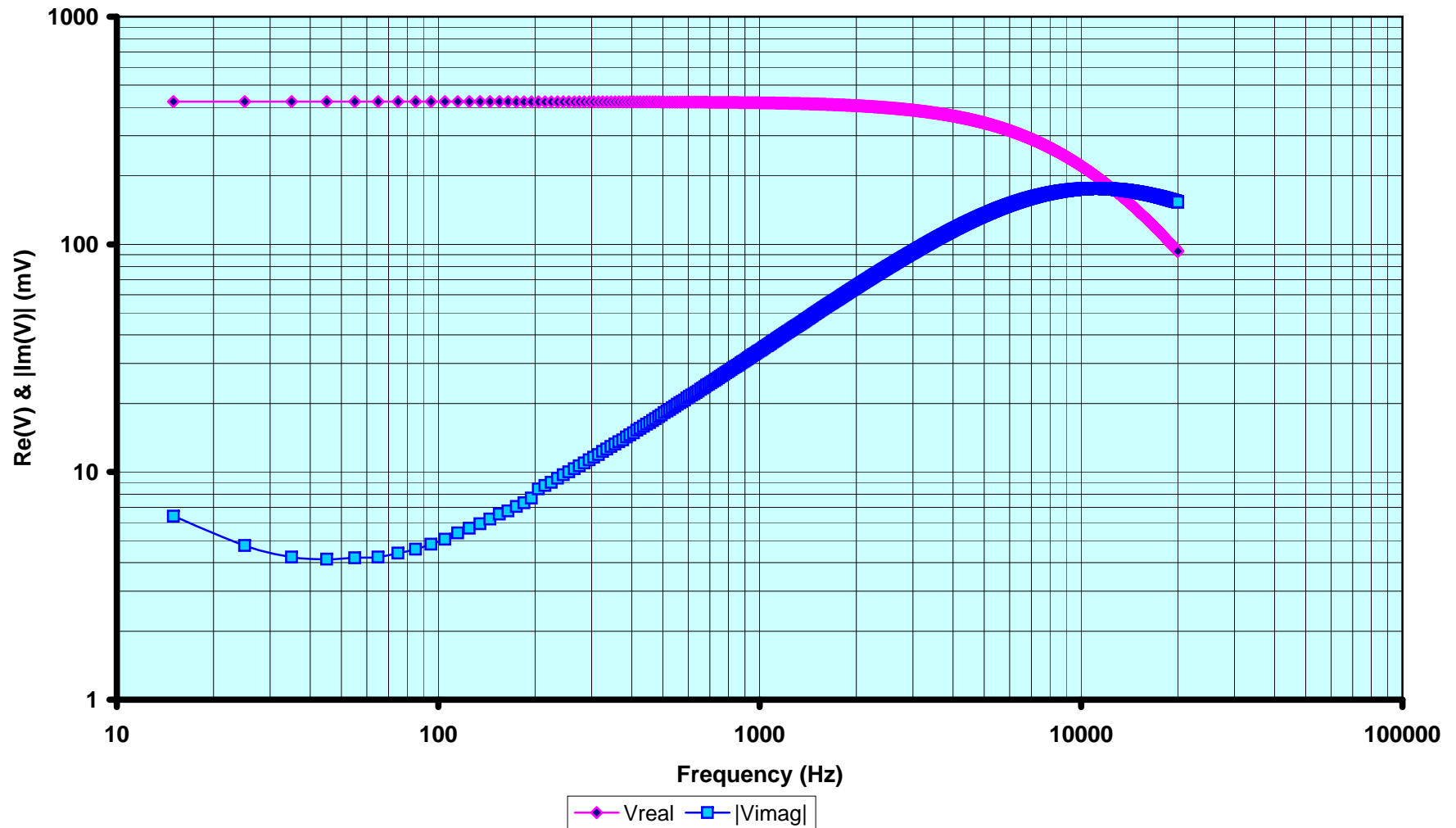
**0.1  $\mu$ F 600V Bumblebee Capacitor**  
**Re(V) vs. Frequency {Vfg = 0.6 Volts, CV}**  
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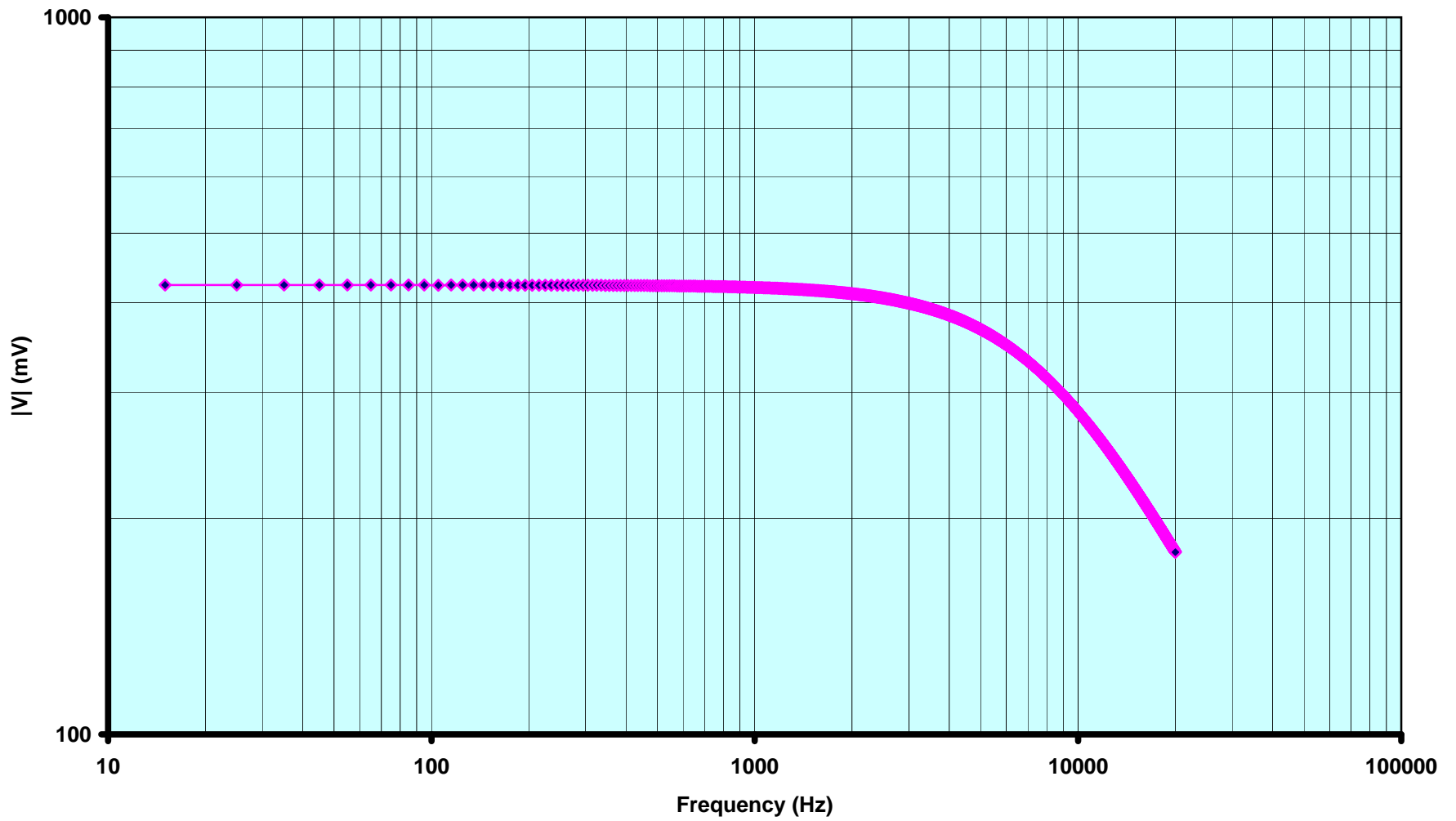
**0.1  $\mu$ F 600V Bumblebee Capacitor**  
 **$|Im(V)|$  vs. Frequency {Vfg = 0.6 Volts, CV}**  
UIUC Physics 498 EMI 03/15/08



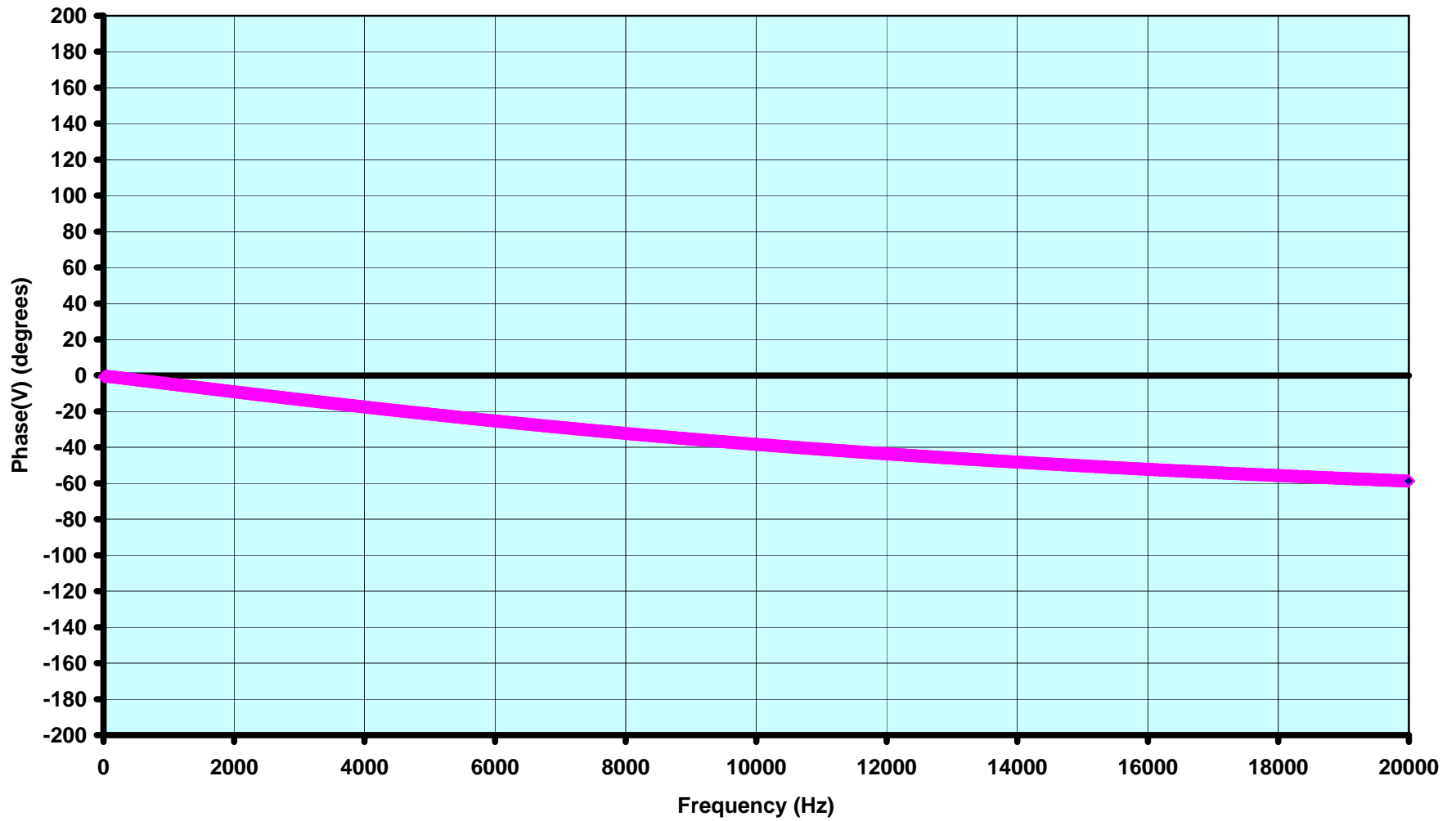
**0.1  $\mu$ F 600V Bumblebee Capacitor**  
**Re(V) & |Im(V)| vs. Frequency {Vfg = 0.6 Volts, CV}**  
UIUC Physics 498 EMI 03/15/08



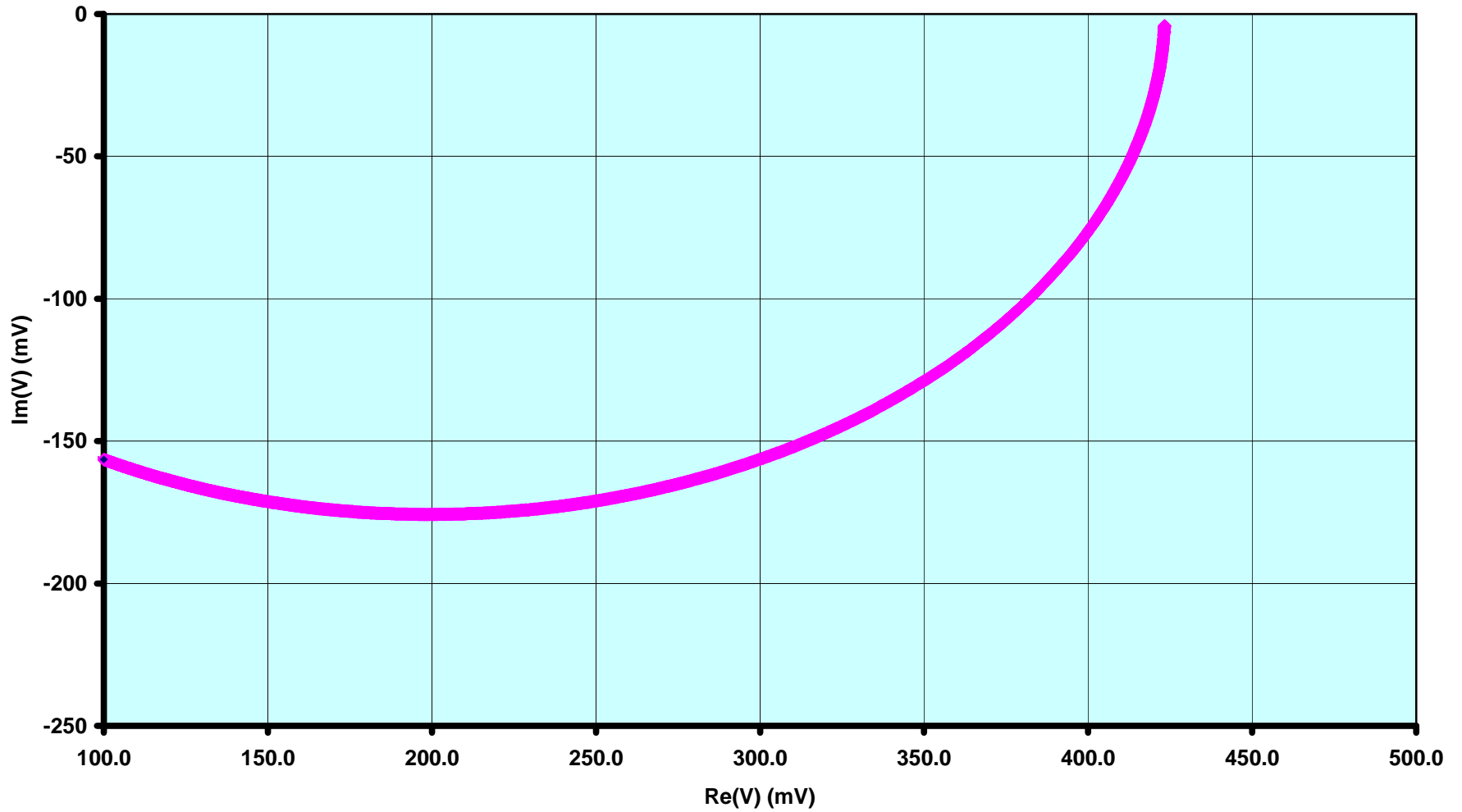
**0.1  $\mu$ F 600V Bumblebee Capacitor**  
**|V| vs. Frequency {Vfg = 0.6 Volts, CV}**  
UIUC Physics 498 EMI 03/15/08



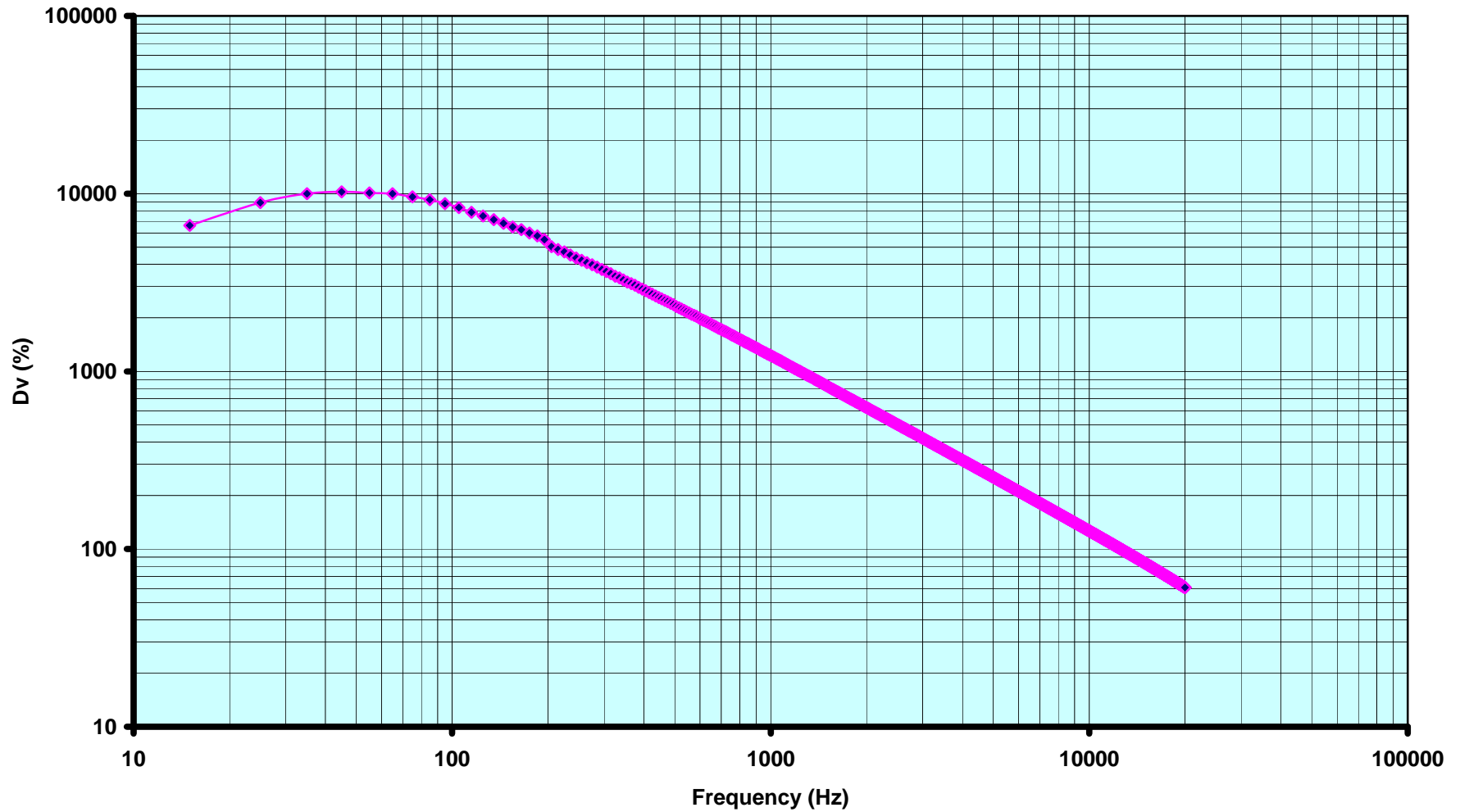
**0.1  $\mu$ F 600V Bumblebee Capacitor**  
**Phase(V) vs. Frequency {Vfg = 0.6 Volts, CV}**  
UIUC Physics 498 EMI 03/15/08



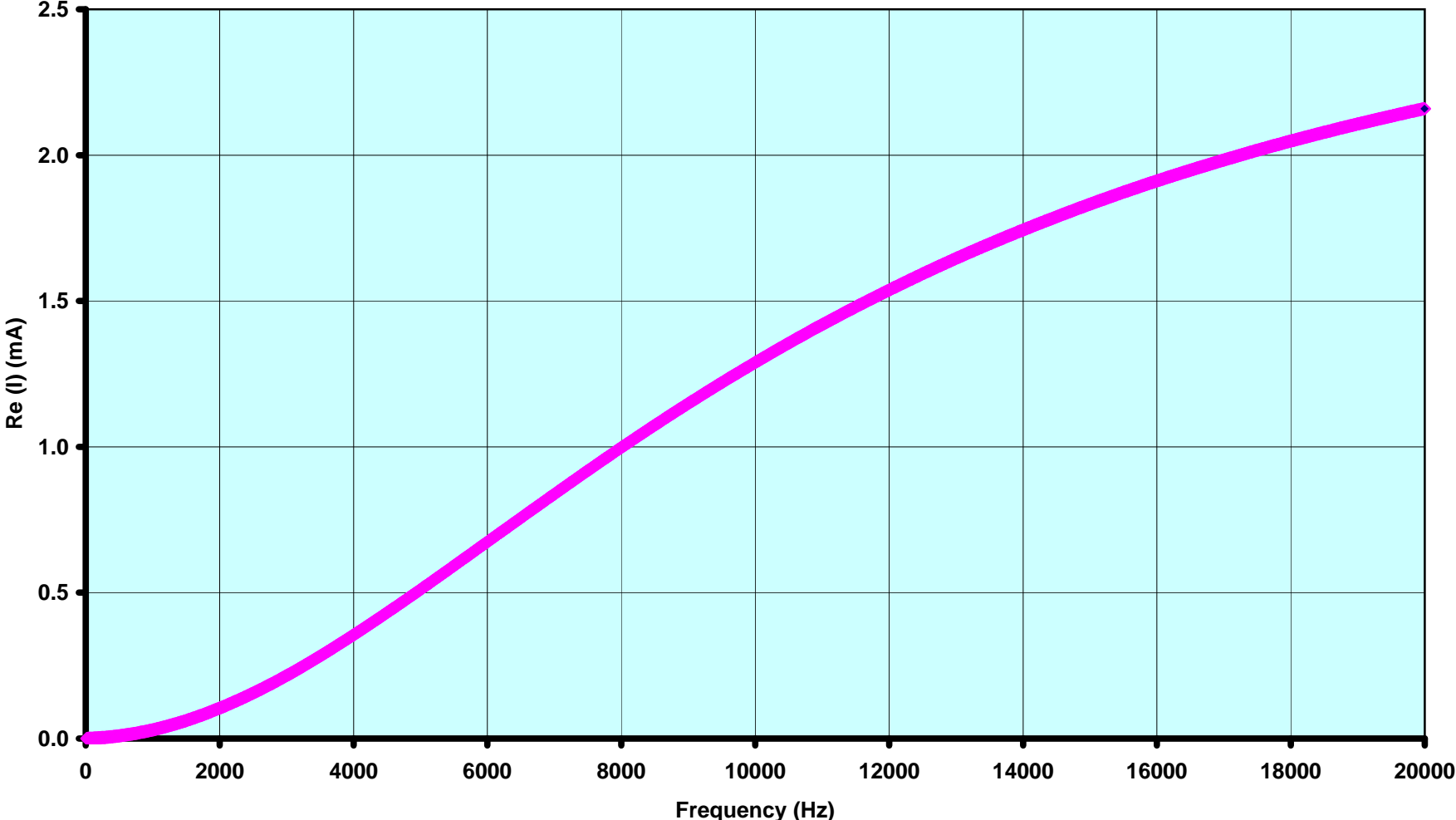
**0.1  $\mu$ F 600V Bumblebee Capacitor**  
**Im(V) vs. Re(V) {Vfg = 0.6 Volts, CV}**  
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**0.1 uF 600V Bumblebee Capacitor {Vfg = 0.6 Volts}**  
**Voltage Dissipation,  $D_v = 100 \cdot \text{Abs}(\text{Re}(V)/\text{Im}(V))$  vs. Frequency**  
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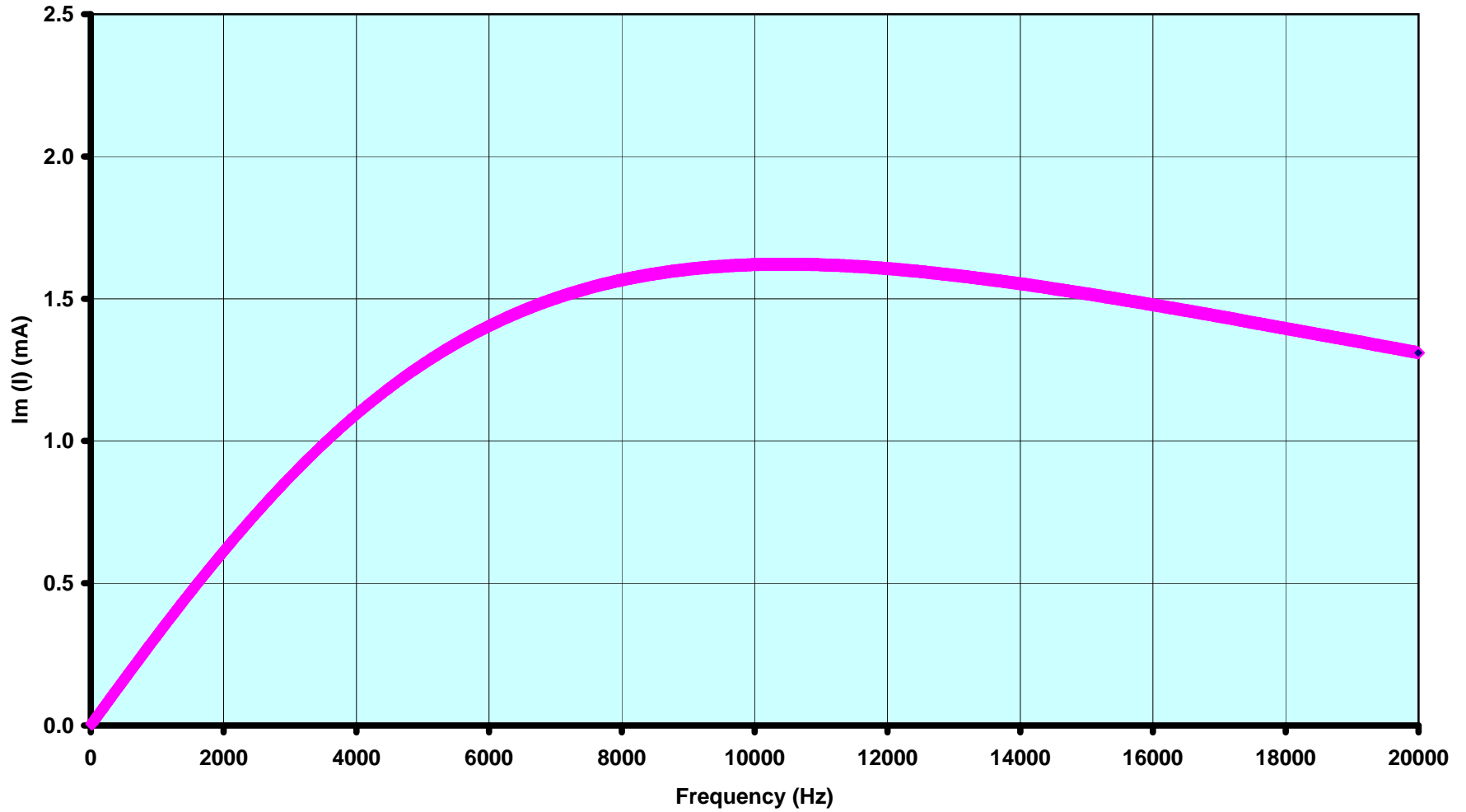


**0.1  $\mu$ F 600V Bumblebee Capacitor**  
**Re(I) vs. Frequency {Vfg = 0.6 Volts, CV}**  
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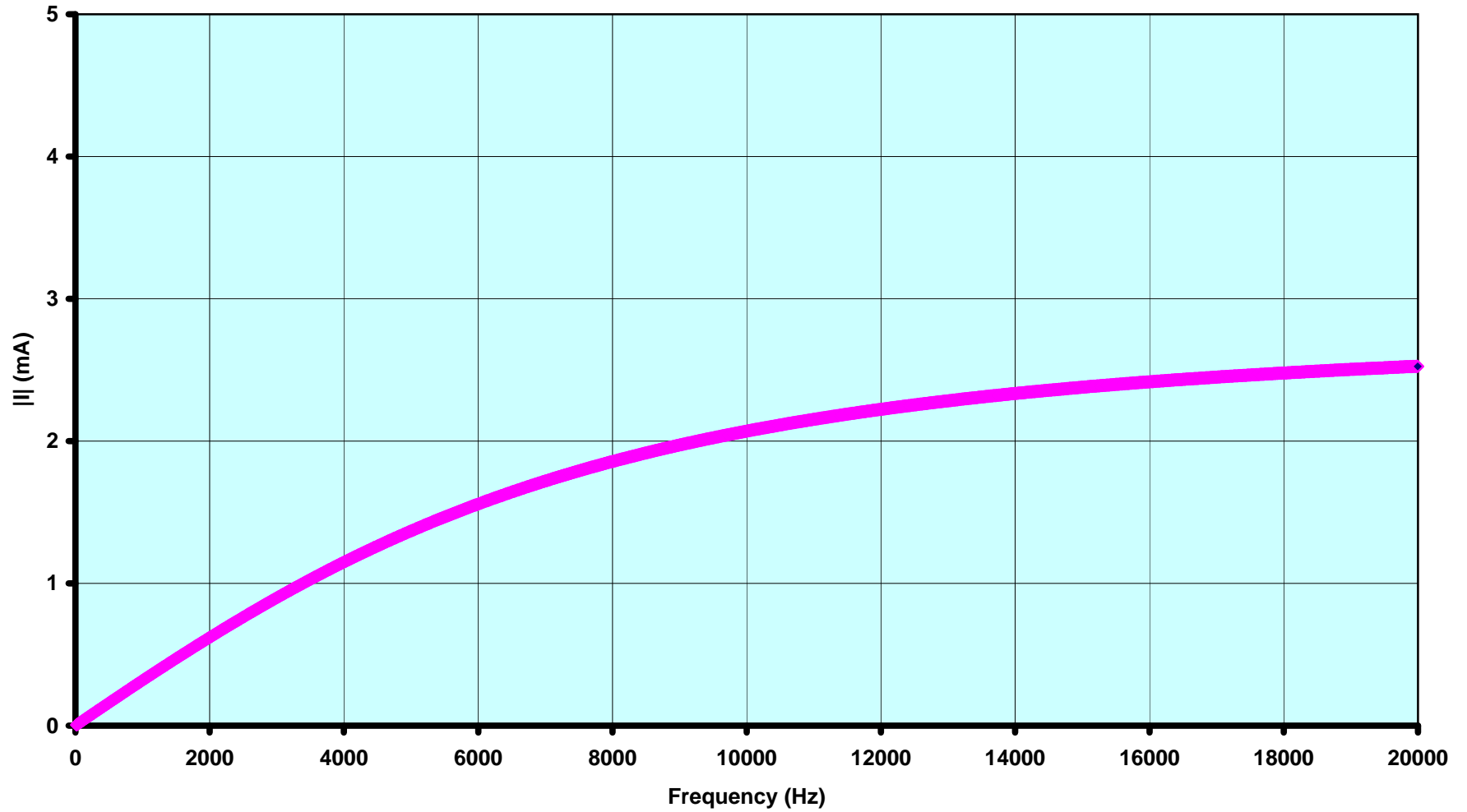




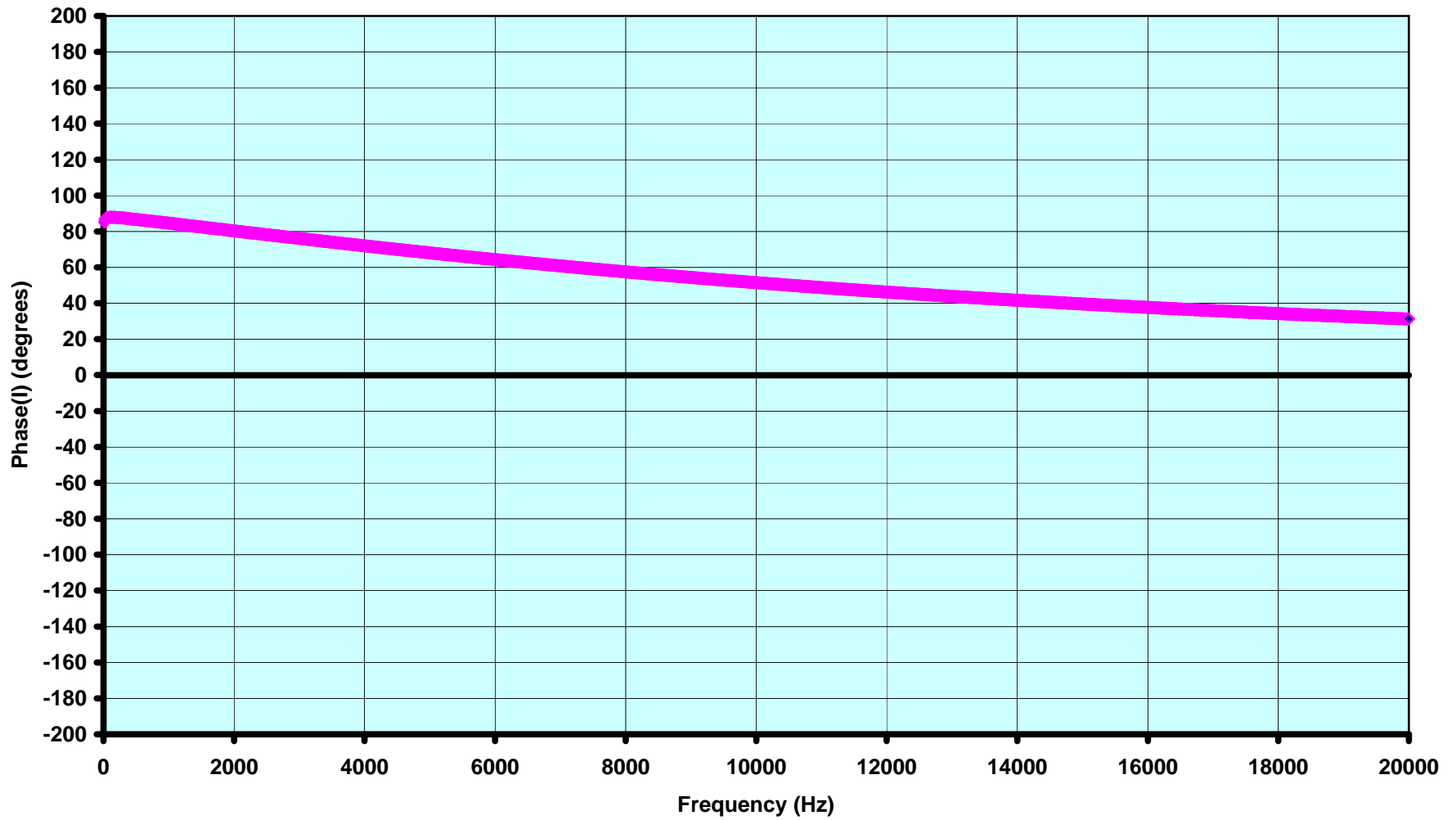
**0.1  $\mu$ F 600V Bumblebee Capacitor**  
**Im(I) vs. Frequency {Vfg = 0.6 Volts, CV}**  
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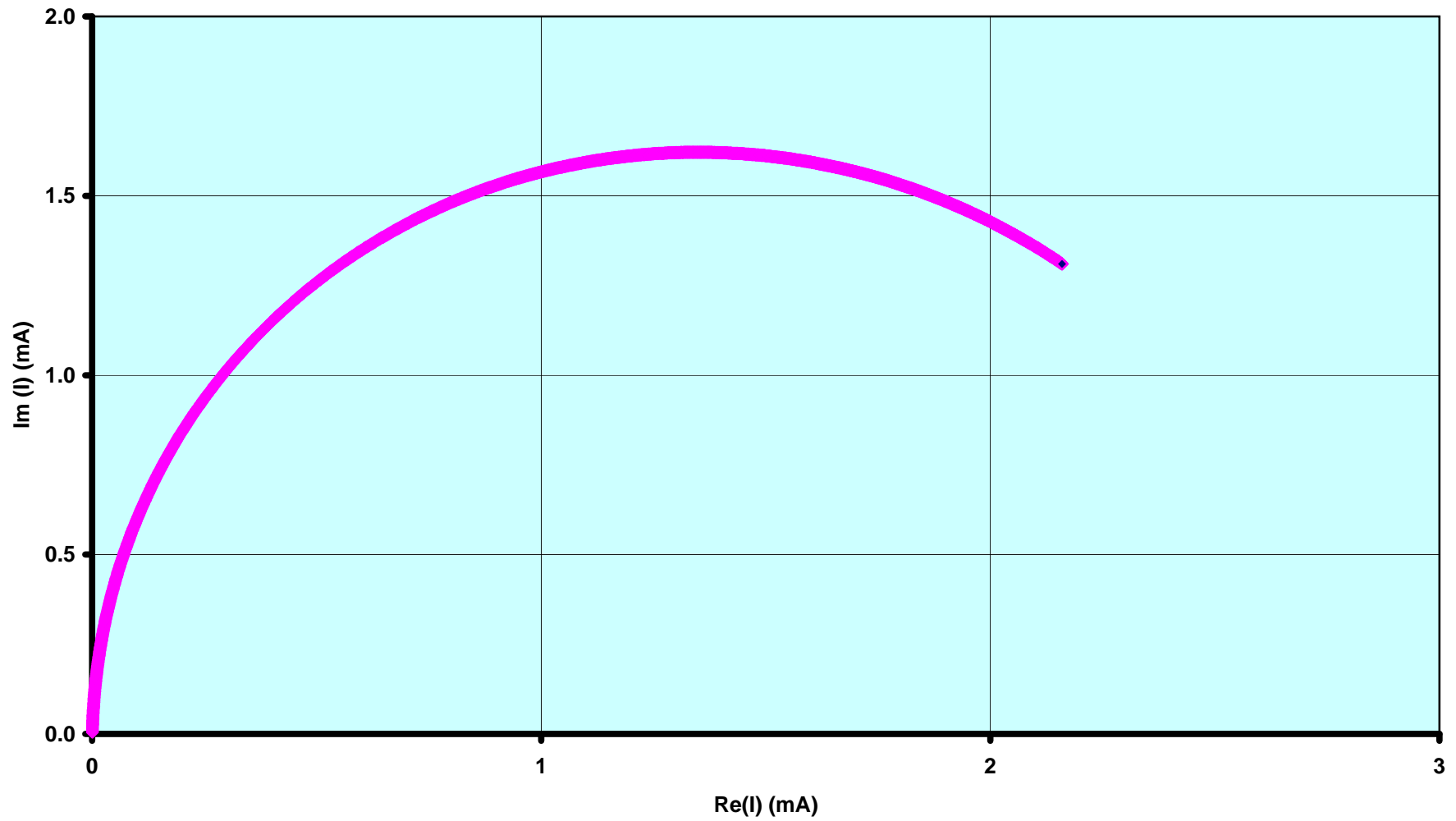
**0.1  $\mu$ F 600V Bumblebee Capacitor**  
 **$|I|$  vs. Frequency {Vfg = 0.6 Volts, CV}**  
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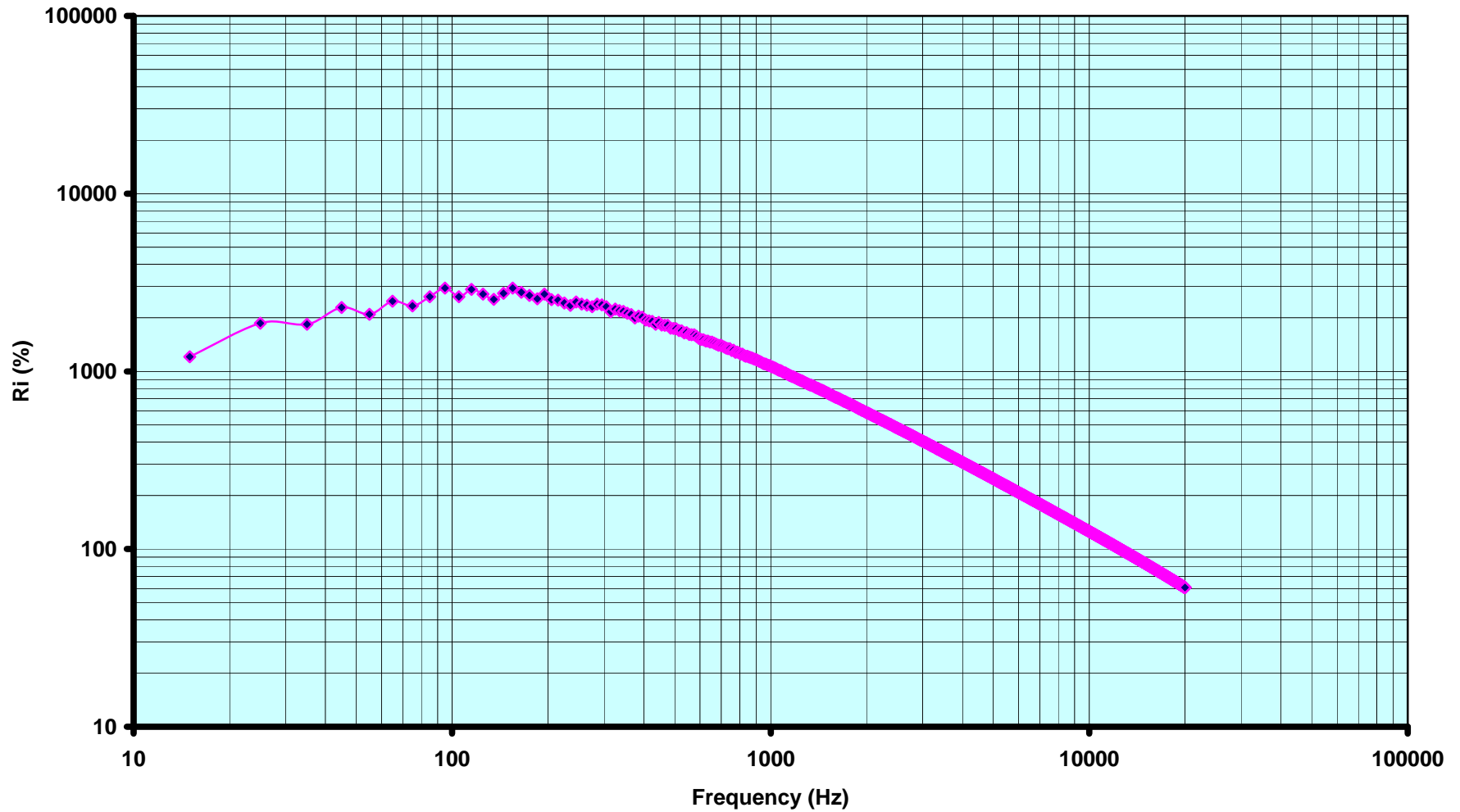
**0.1  $\mu$ F 600V Bumblebee Capacitor**  
**Phase(I) vs. Frequency {Vfg = 0.6 Volts, CV}**  
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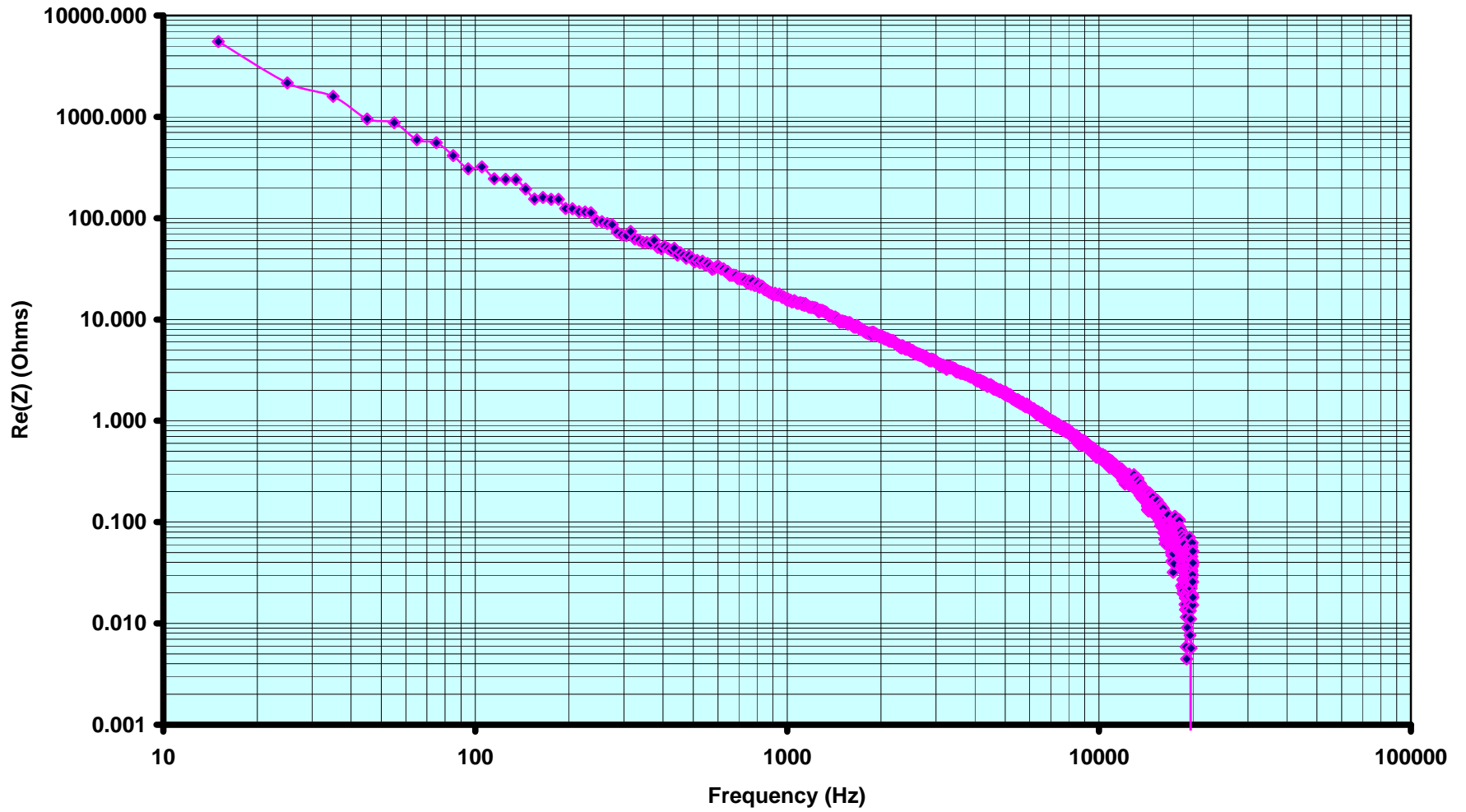
**0.1  $\mu$ F 600V Bumblebee Capacitor**  
**Im(I) vs. Re(I) {Vfg = 0.6 Volts, CV}**  
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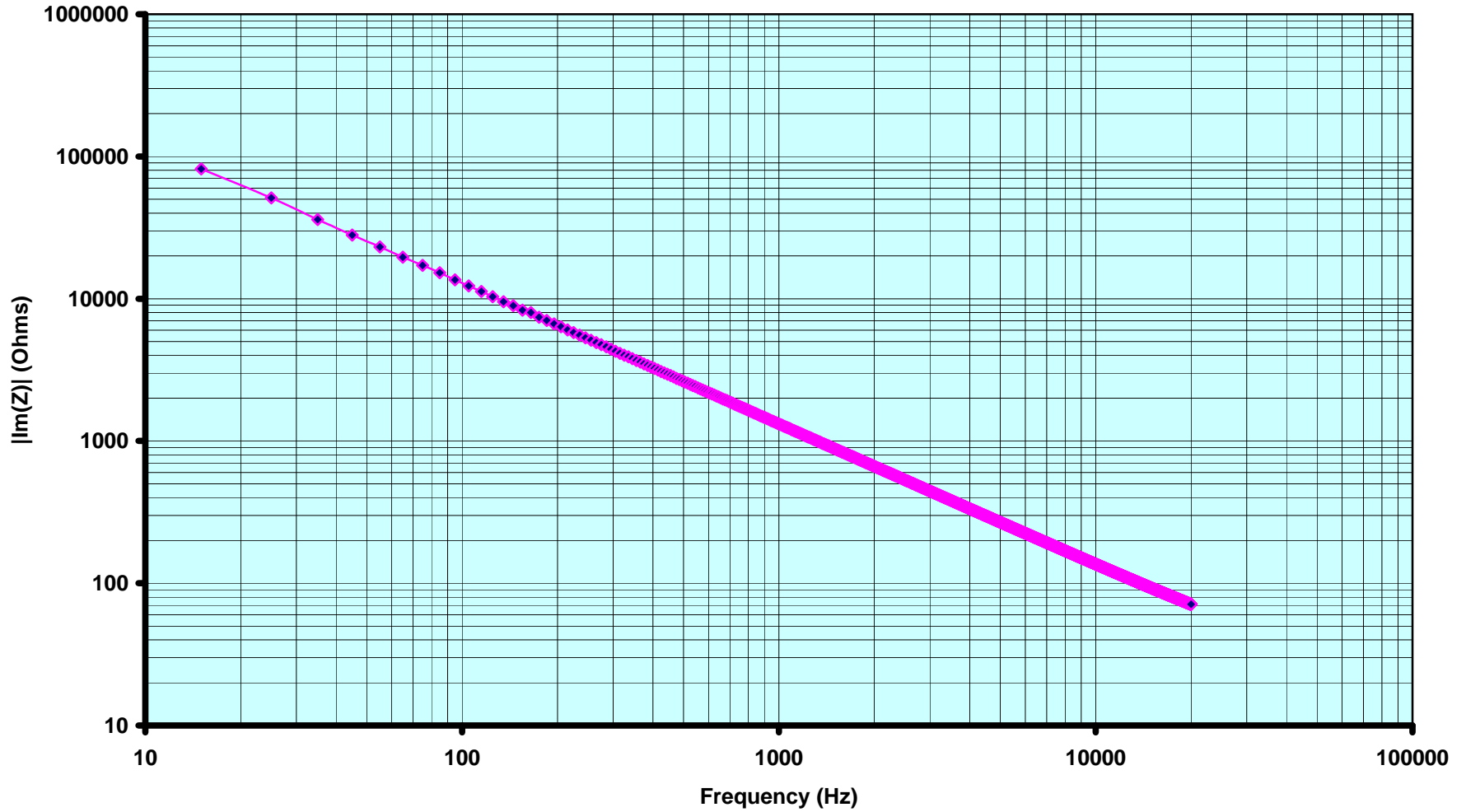
**0.1 uF 600V Bumblebee Capacitor {Vfg = 0.6 Volts}**  
**Current "Reactance",  $R_i = 100 \cdot \text{Abs}(\text{Im}(I)/\text{Re}(I))$  vs. Frequency**  
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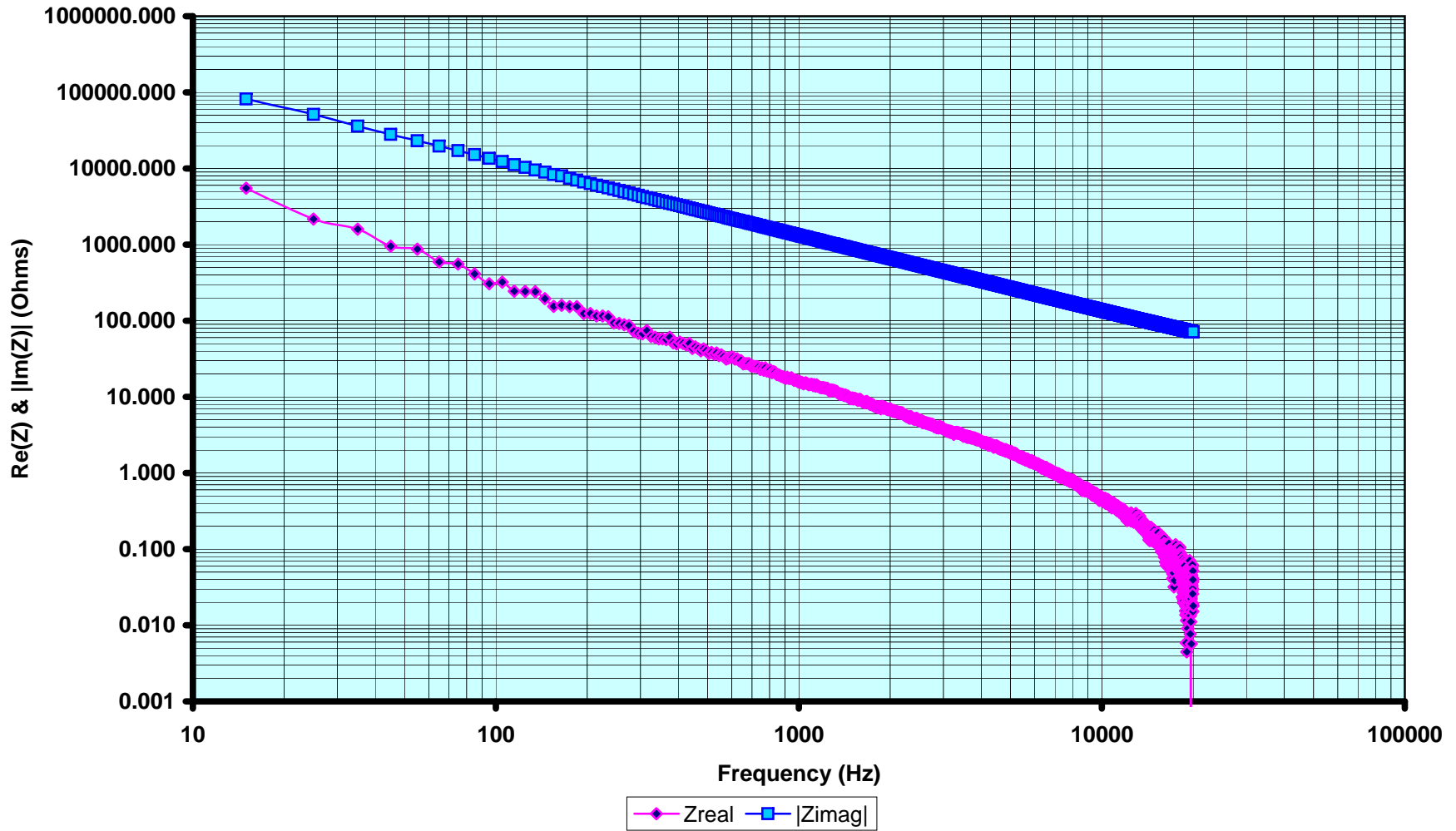
**0.1  $\mu$ F 600V Bumblebee Capacitor**  
**Re(Z) vs. Frequency {Vfg = 0.6 Volts, CV}**  
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**0.1  $\mu$ F 600V Bumblebee Capacitor**  
 **$|Im(Z)|$  vs. Frequency {Vfg = 0.6 Volts, CV}**  
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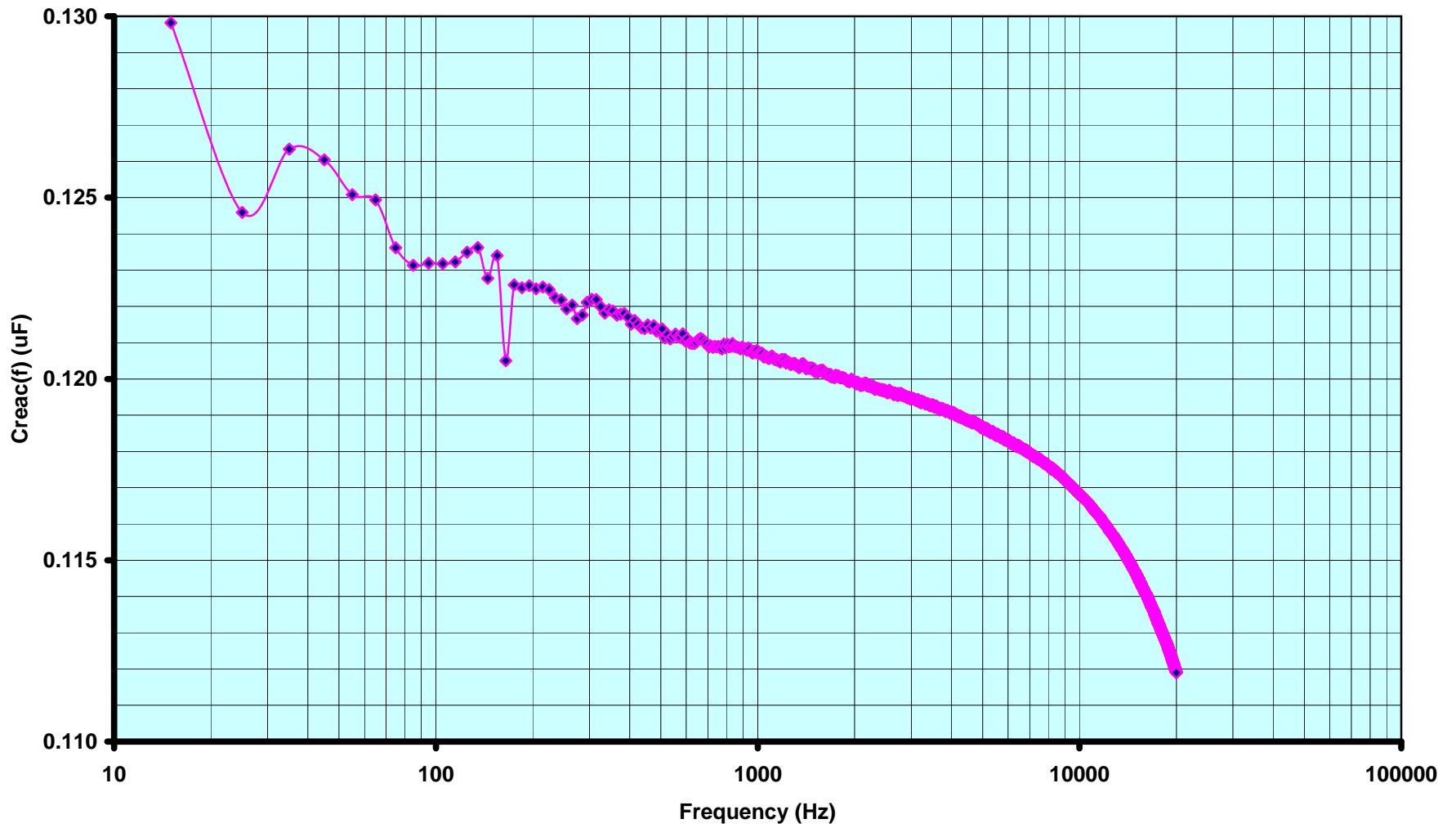


**0.1  $\mu$ F 600V Bumblebee Capacitor**  
**Re(Z) & |Im(Z)| vs. Frequency {Vfg = 0.6 Volts, CV}**  
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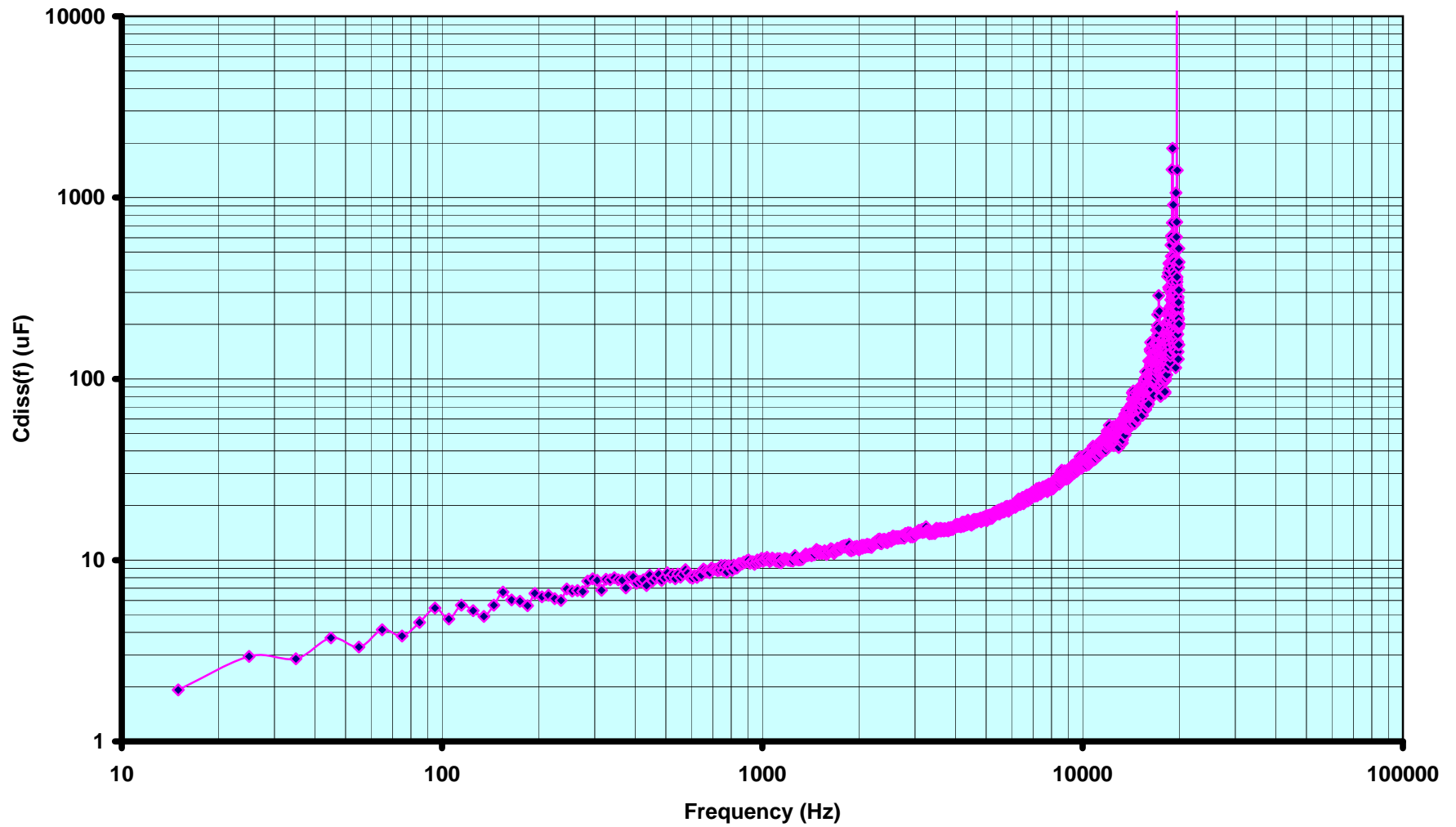




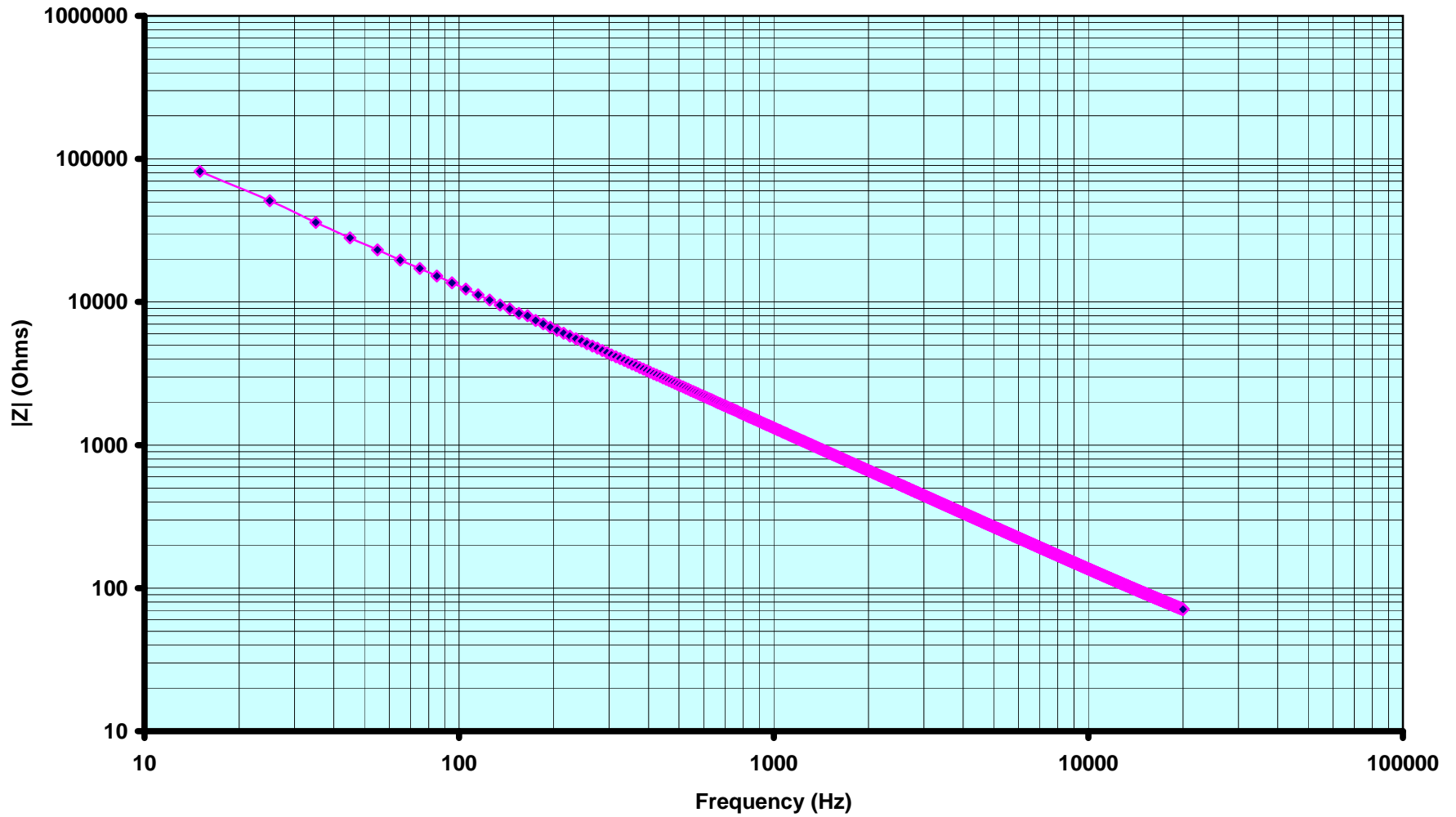
**0.1  $\mu$ F 600V Bumblebee Capacitor**  
**Reactive Capacitance vs. Frequency {Vfg = 0.6 Volts, CV}**  
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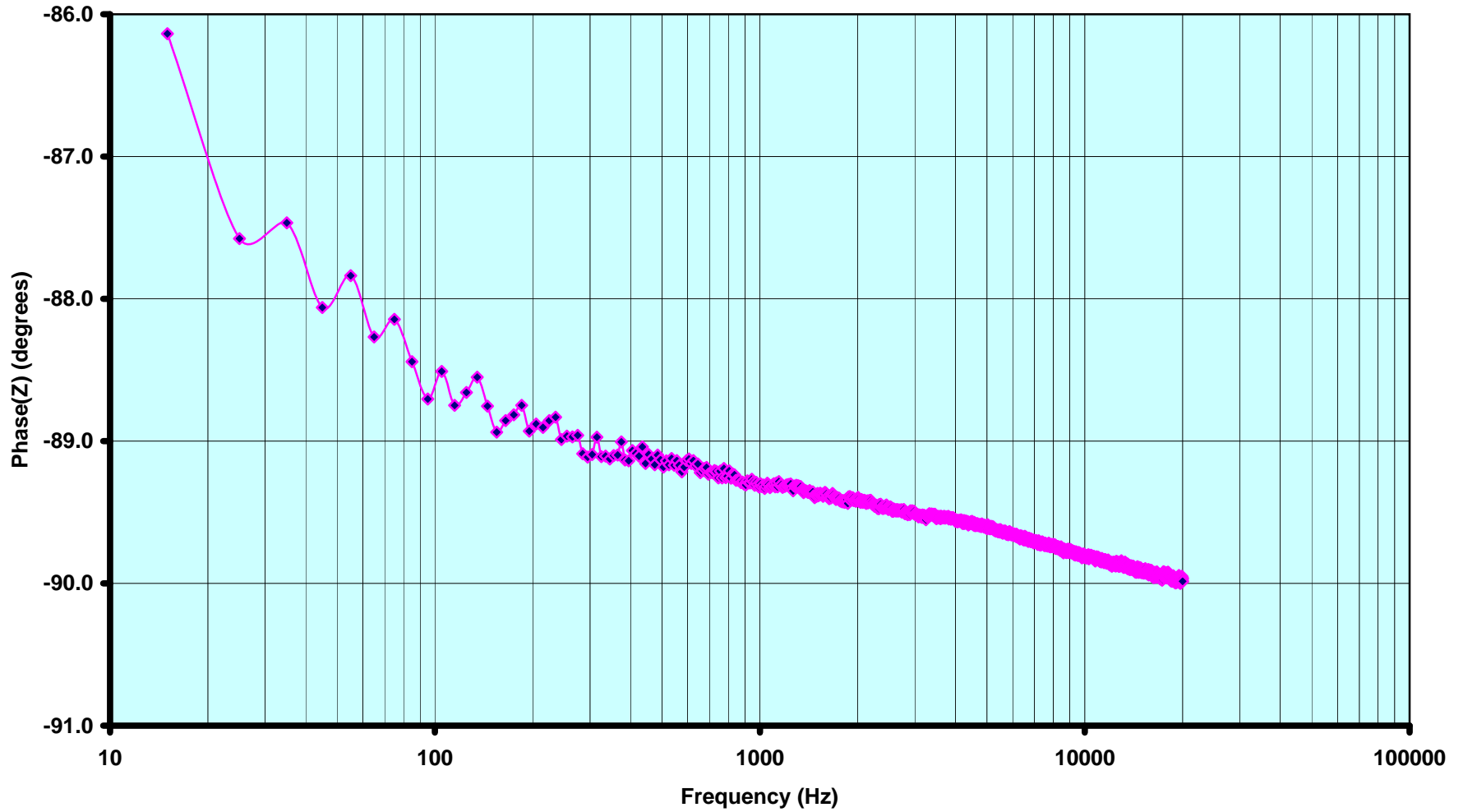
**0.1  $\mu$ F 600V Bumblebee Capacitor**  
**Dissipative Capacitance vs. Frequency {Vfg = 0.6 Volts, CV}**  
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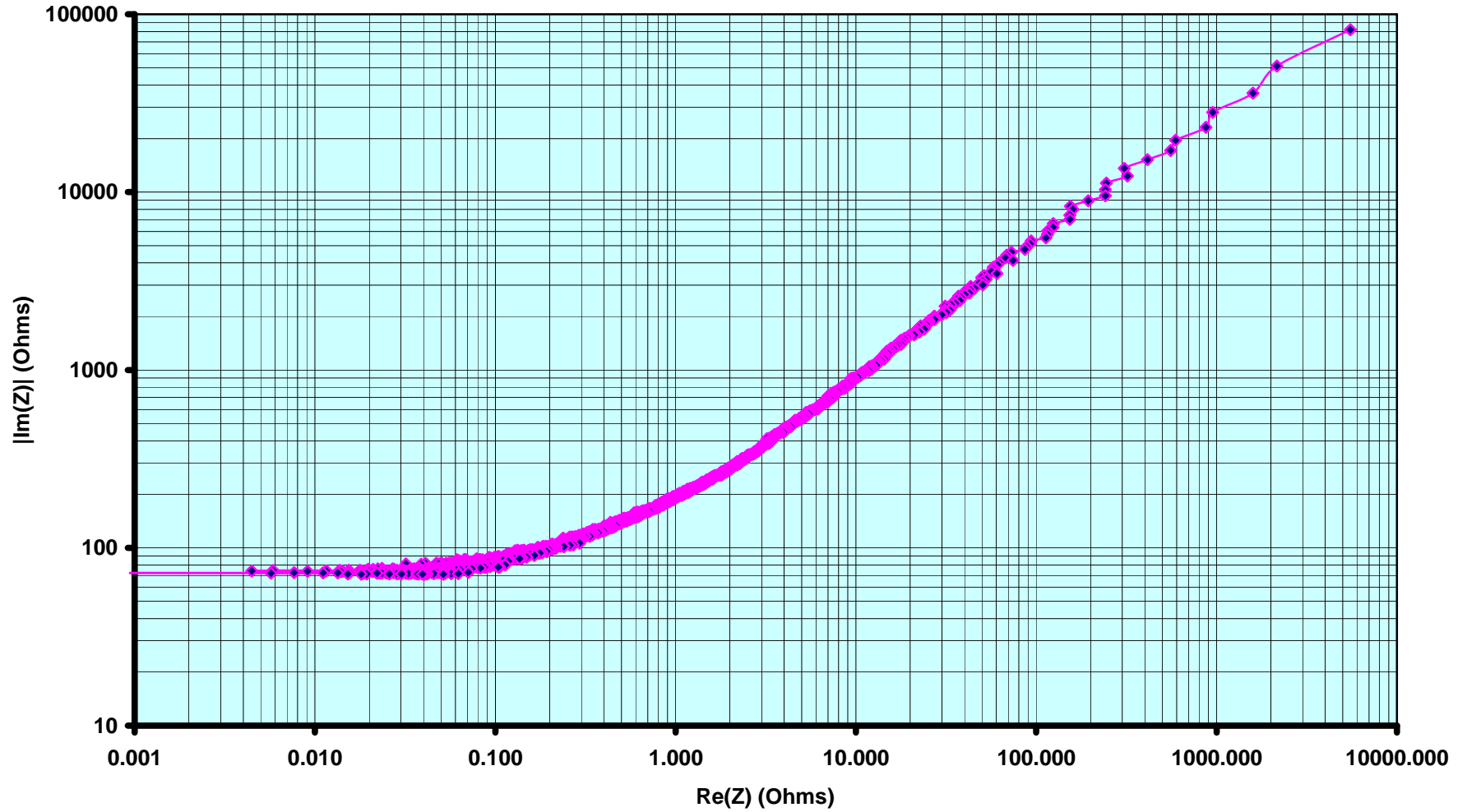
**0.1  $\mu$ F 600V Bumblebee Capacitor**  
 **$|Z|$  vs. Frequency {Vfg = 0.6 Volts, CV}**  
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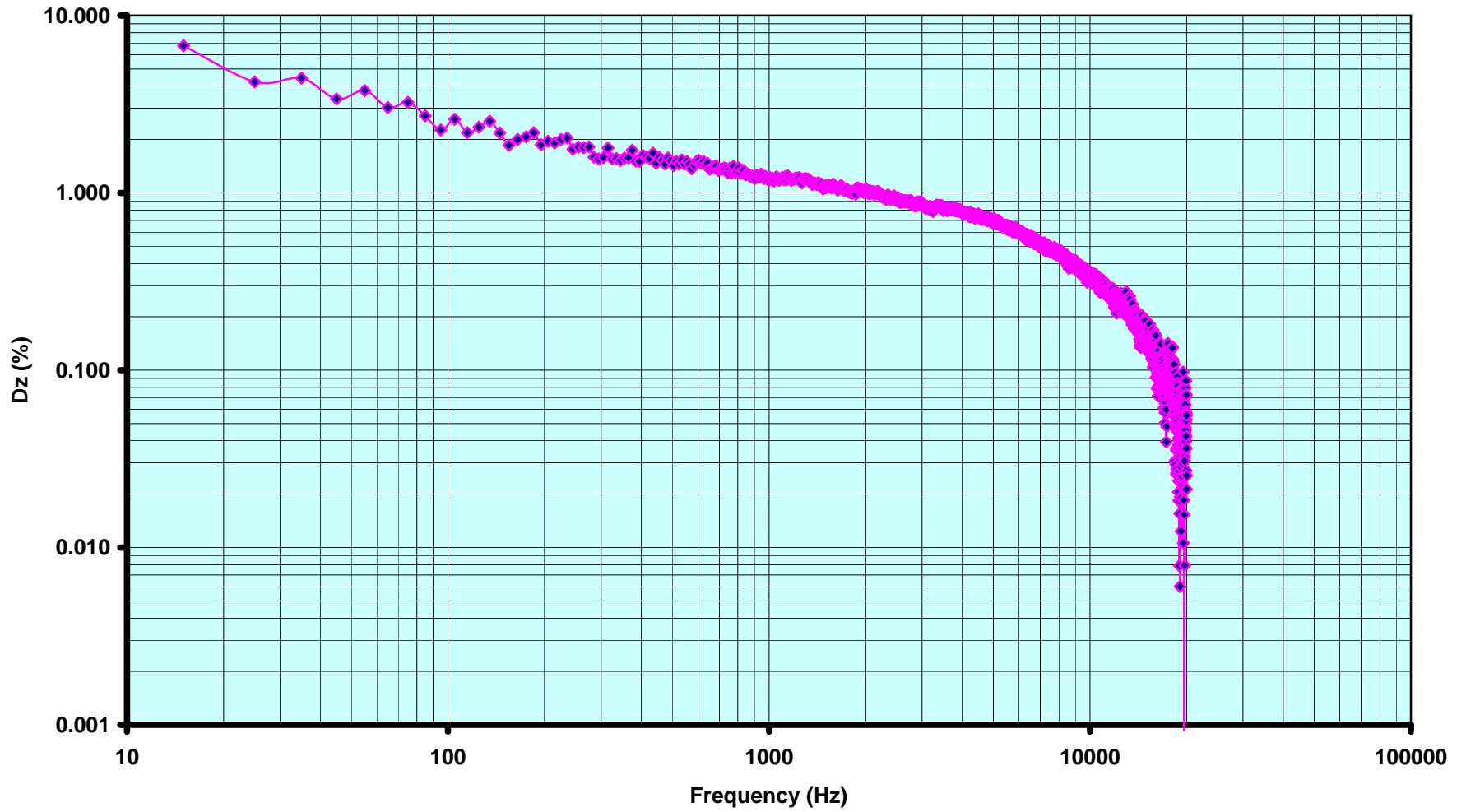
**0.1  $\mu$ F 600V Bumblebee Capacitor**  
**Phase(Z) vs. Frequency {Vfg = 0.6 Volts, CV}**  
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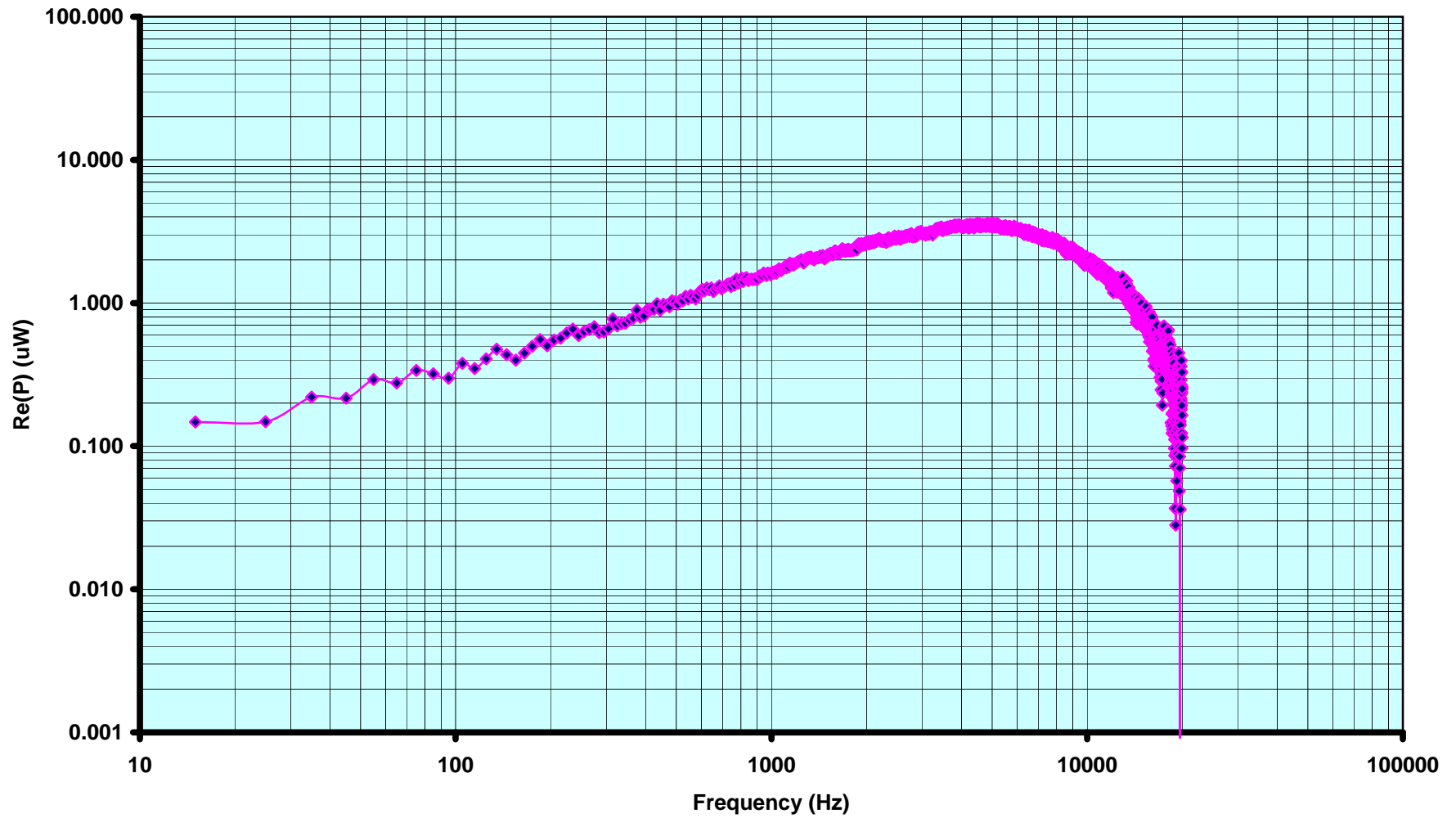
**0.1  $\mu$ F 600V Bumblebee Capacitor**  
 **$|\text{Im}(Z)|$  vs.  $\text{Re}(Z)$  {Vfg = 0.6 Volts, CV}**  
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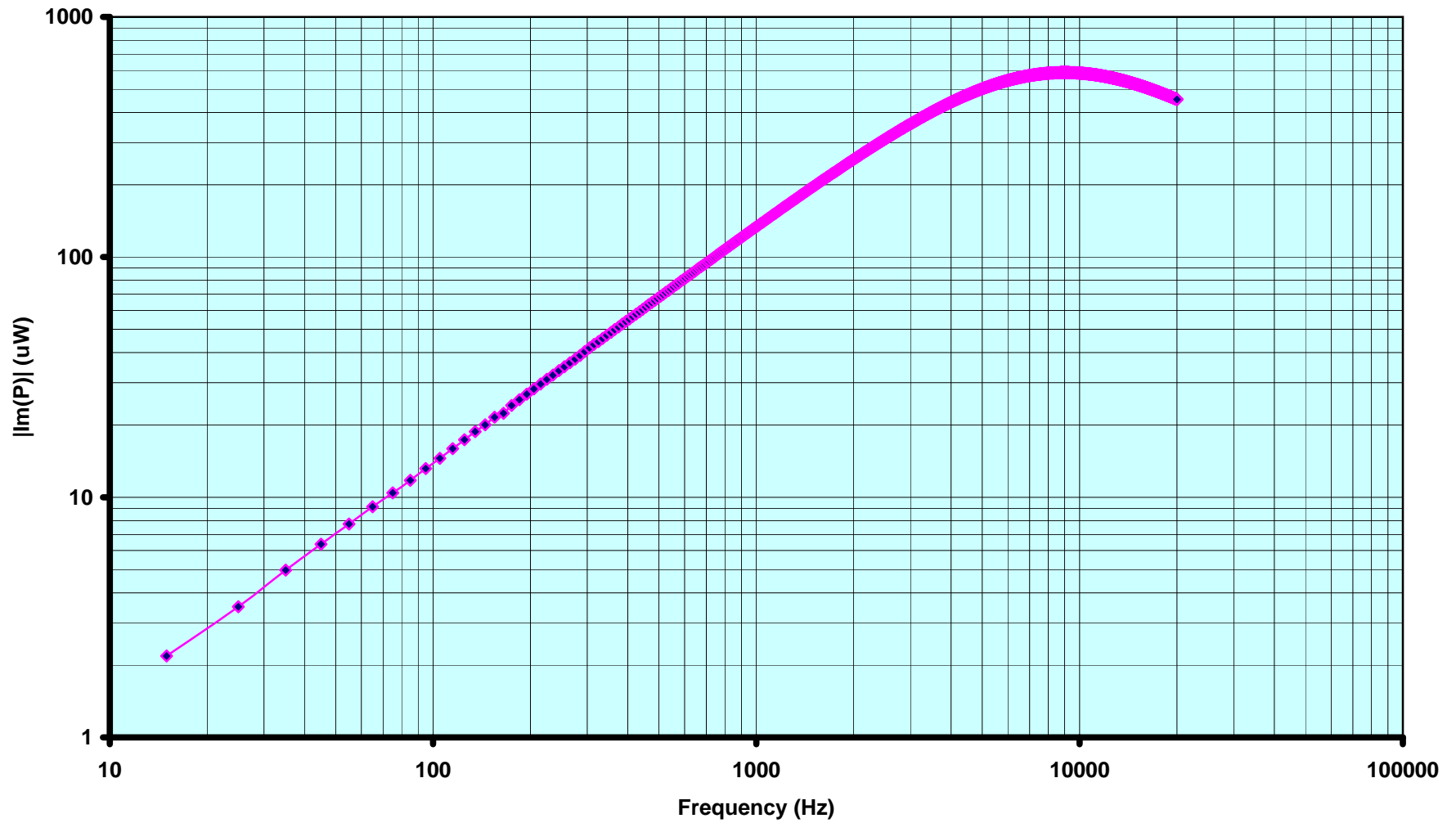
**0.1 uF 600V Bumblebee Capacitor {Vfg = 0.6 Volts}**  
**Impedance Dissipation,  $D_z = 100 \cdot \text{Re}(Z)/|\text{Im}(Z)|$  vs. Frequency**  
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**0.1  $\mu$ F 600V Bumblebee Capacitor**  
**Re(P) vs. Frequency {Vfg = 0.6 Volts, CV}**  
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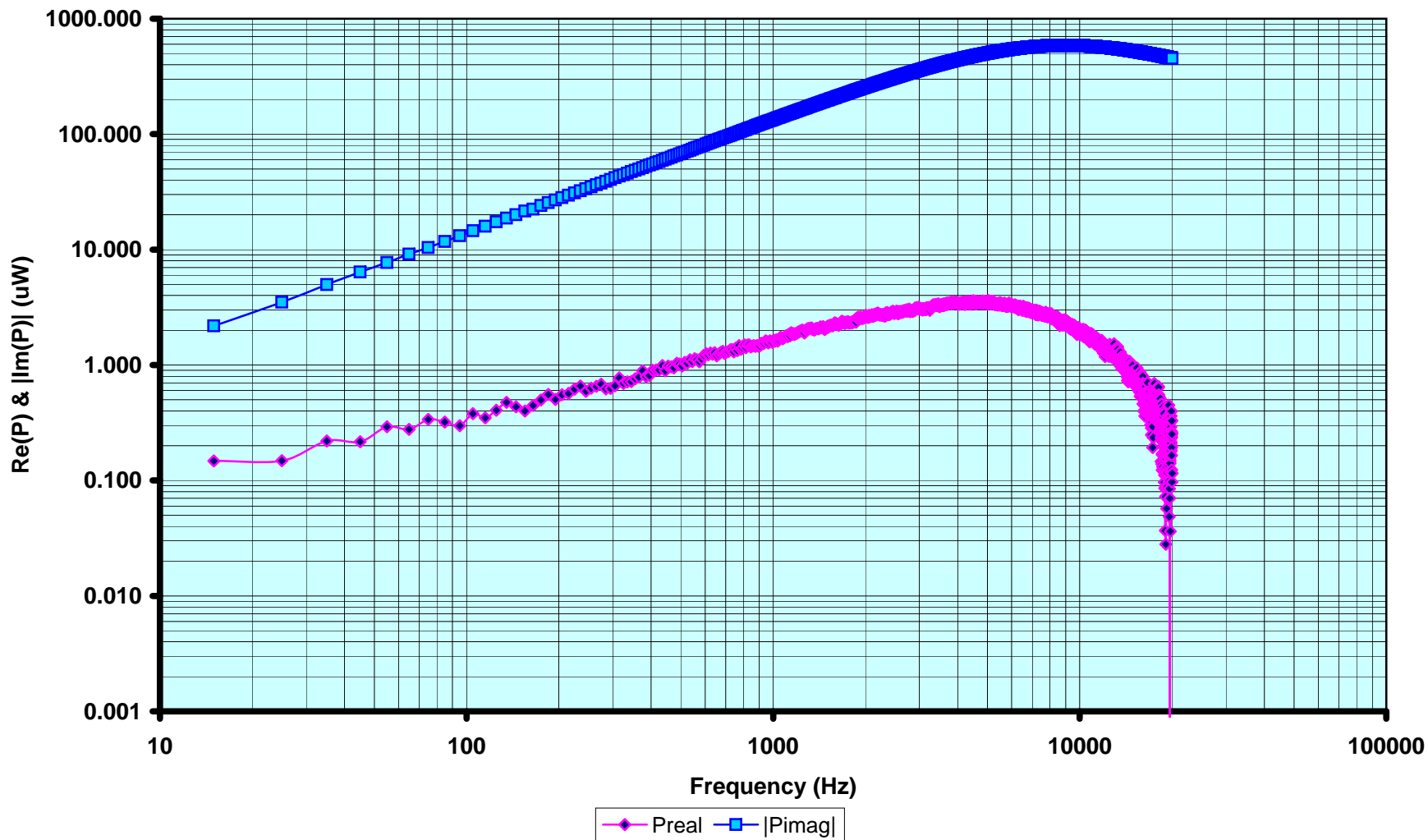


0.1  $\mu$ F 600V Bumblebee Capacitor  
 $|\text{Im}(P)|$  vs. Frequency {Vfg = 0.6 Volts, CV}  
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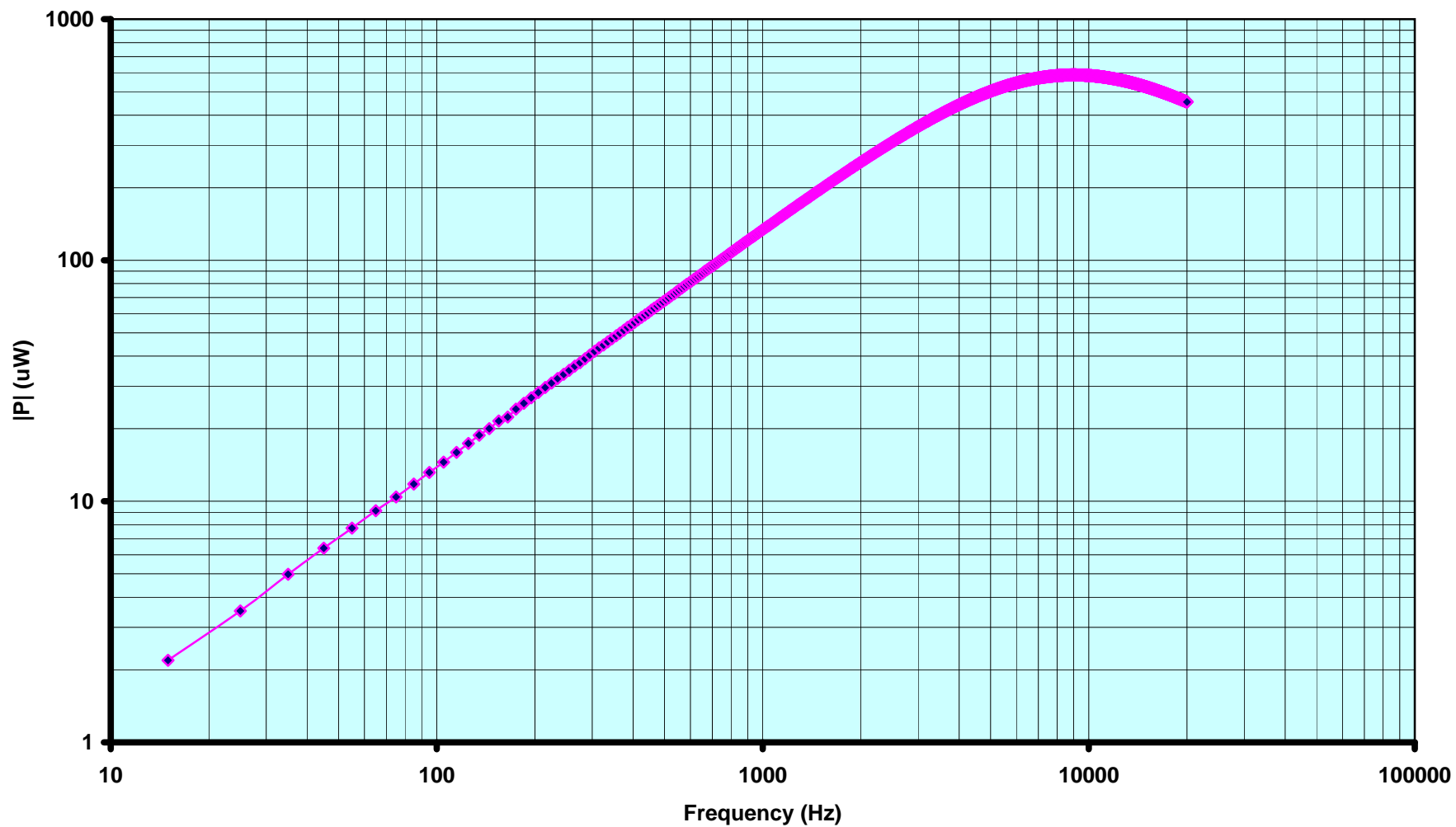




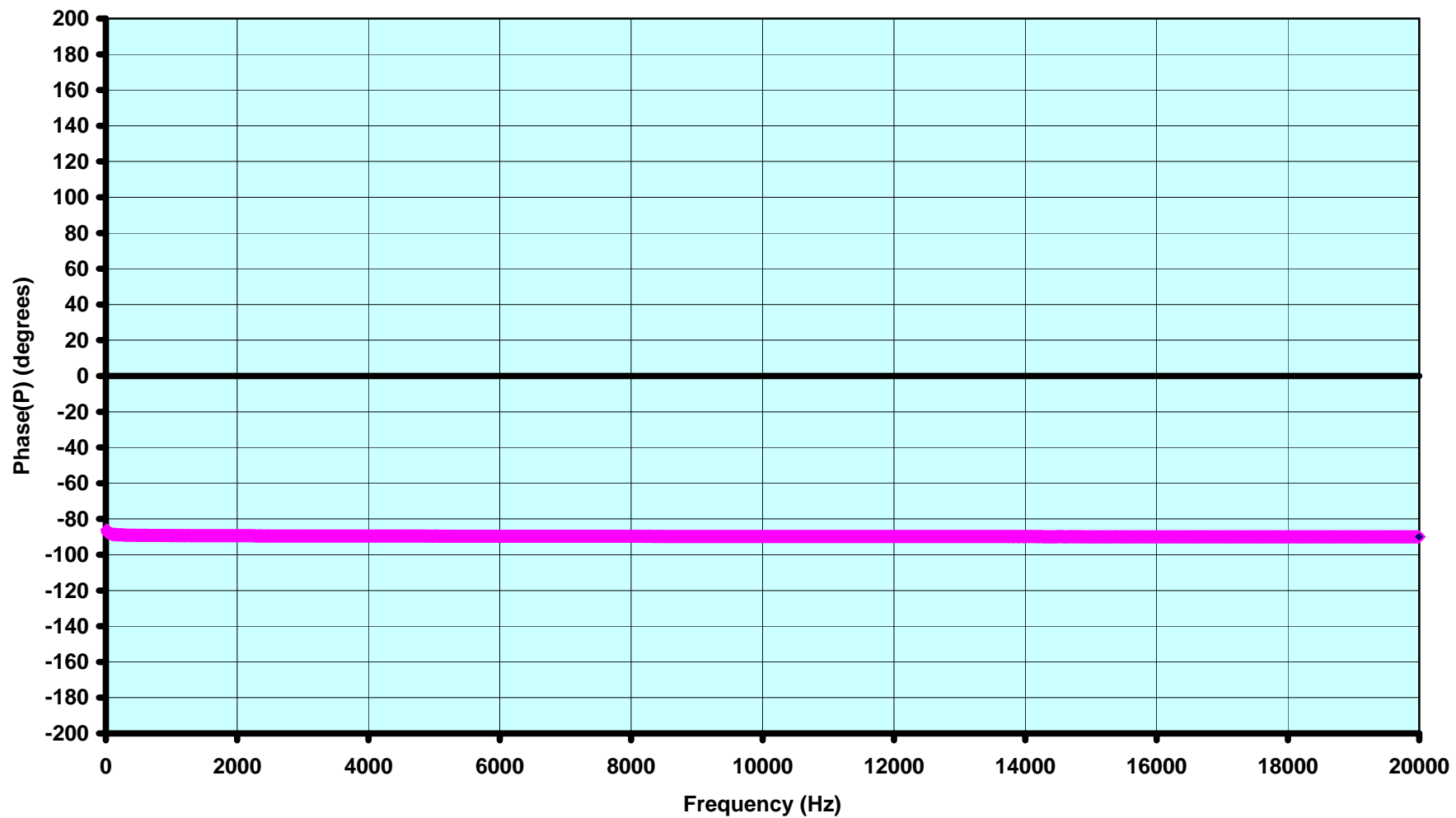
**0.1  $\mu$ F 600V Bumblebee Capacitor**  
**Re(P) & |Im(P)| vs. Frequency {Vfg = 0.6 Volts, CV}**  
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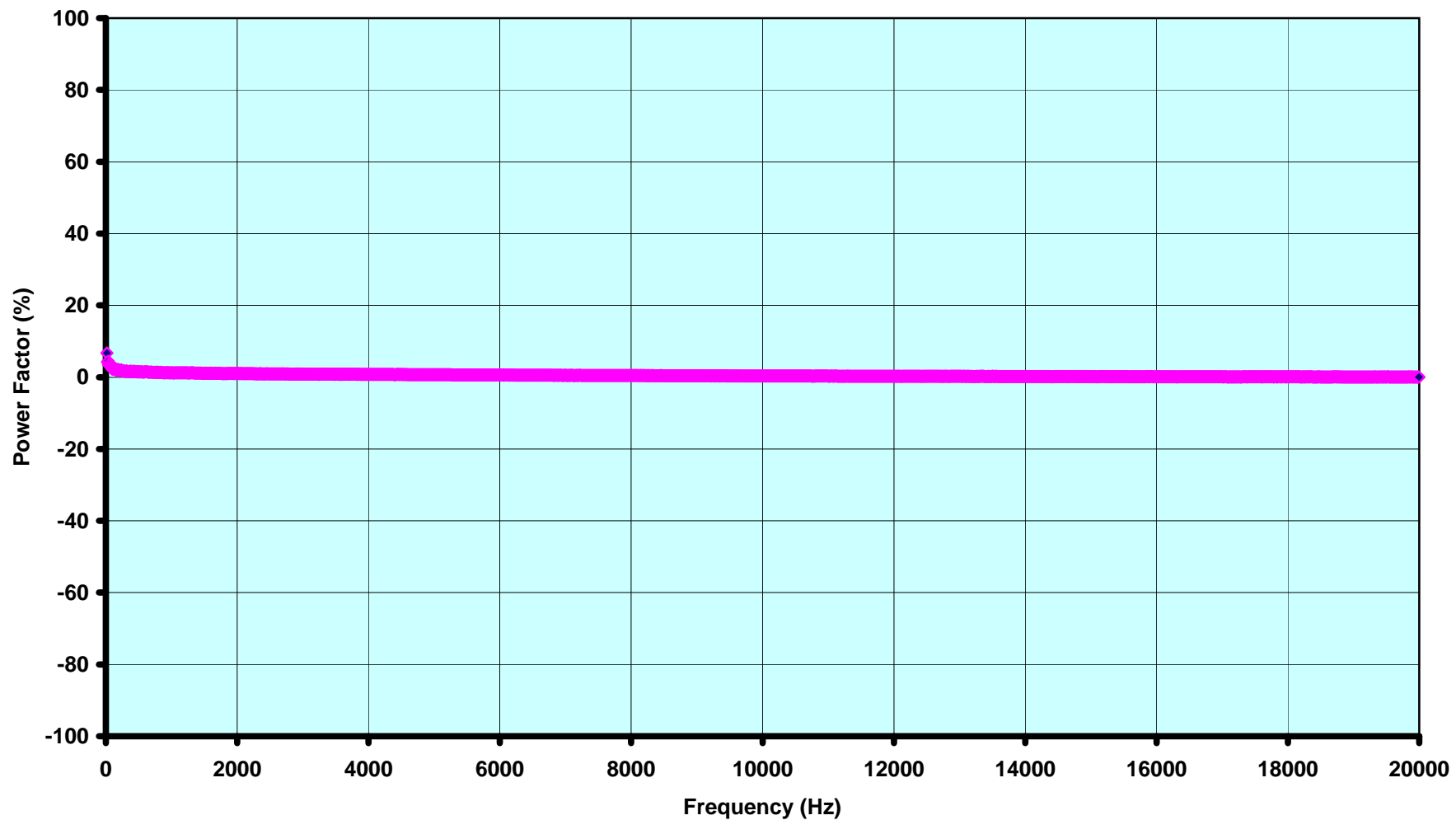
**0.1 uF 600V Bumblebee Capacitor**  
**|P| vs. Frequency {Vfg = 0.6 Volts, CV}**  
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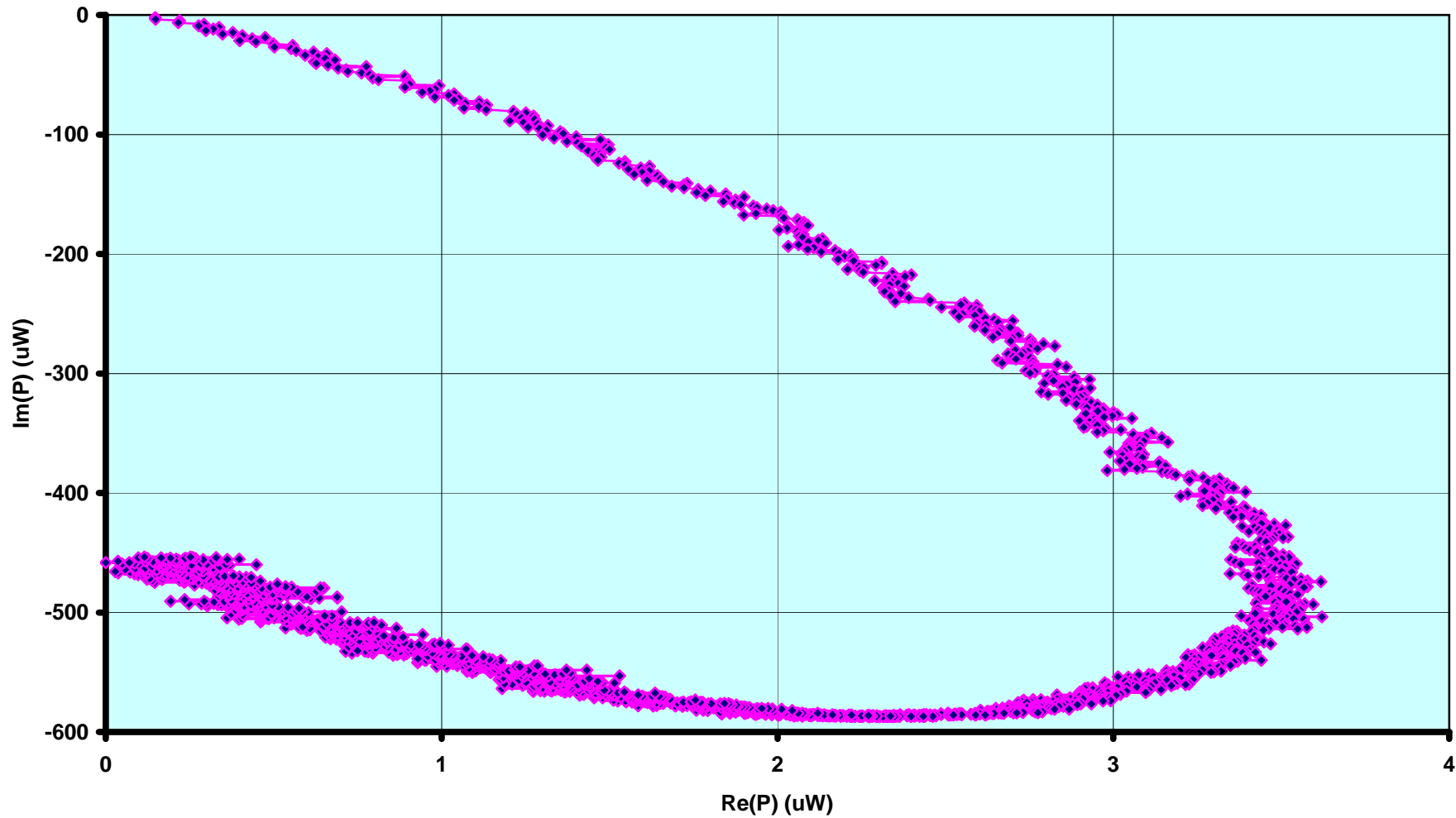
**0.1 uF 600V Bumblebee Capacitor**  
**Phase(P) vs. Frequency {Vfg = 0.6 Volts, CV}**  
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0.1 uF 600V Bumblebee Capacitor {Vfg = 0.6 Volts}  
Power Factor =  $100 \cdot \cos(\text{Phase}(P))$  vs. Frequency  
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**0.1  $\mu$ F 600V Bumblebee Capacitor**  
**Im(P) vs. Re(P) {Vfg = 0.6 Volts, CV}**  
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**0.1 uF 600V Bumblebee Capacitor {Vfg = 0.6 Volts}**  
**Power Dissipation,  $D_p = 100 \cdot \text{Re}(P) / |\text{Im}(P)|$  vs. Frequency**  
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