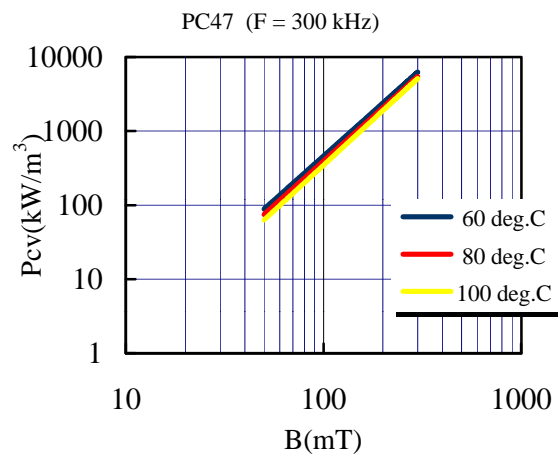
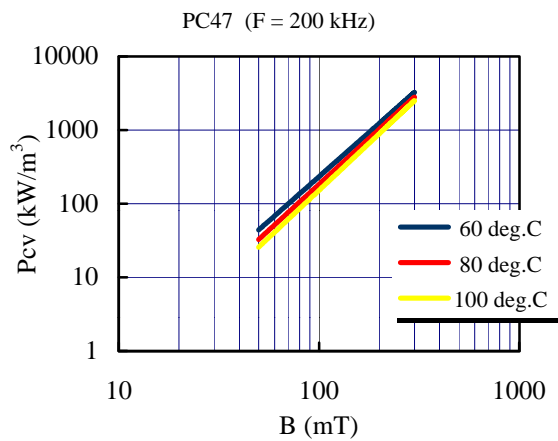
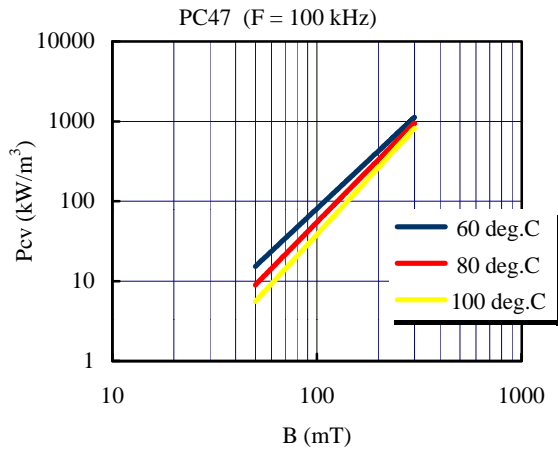


PC47

Power loss Pcv vs. frequency F



PC47

Formulas for the Power loss Pcv (kW/m³)

Power loss Pcv vs. flux density B

100 kHz ; $P_{cv} = 1.28 \times 10^{-3} \times B^{2.40}$ (at 60)
 $P_{cv} = 3.34 \times 10^{-4} \times B^{2.61}$ (at 80)
 $P_{cv} = 1.01 \times 10^{-4} \times B^{2.79}$ (at 100)

200 kHz ; $P_{cv} = 3.66 \times 10^{-3} \times B^{2.40}$ (at 60)
 $P_{cv} = 1.96 \times 10^{-3} \times B^{2.49}$ (at 80)
 $P_{cv} = 1.16 \times 10^{-3} \times B^{2.56}$ (at 100)

300 kHz ; $P_{cv} = 8.04 \times 10^{-3} \times B^{2.38}$ (at 60)
 $P_{cv} = 6.40 \times 10^{-3} \times B^{2.40}$ (at 80)
 $P_{cv} = 4.22 \times 10^{-3} \times B^{2.46}$ (at 100)

Test Core : T31×8×19 (OD×TH×IDmm)
 Sine wave data