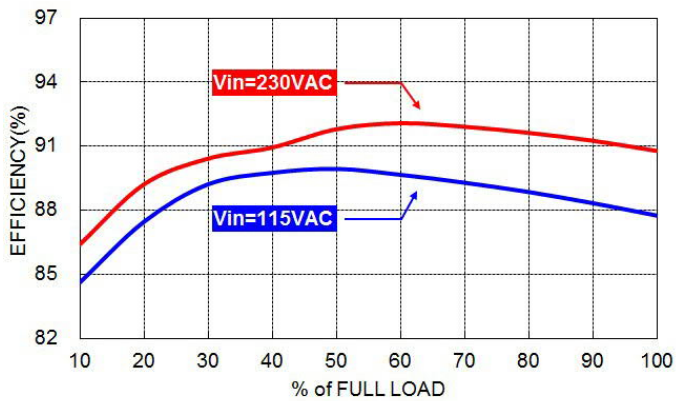
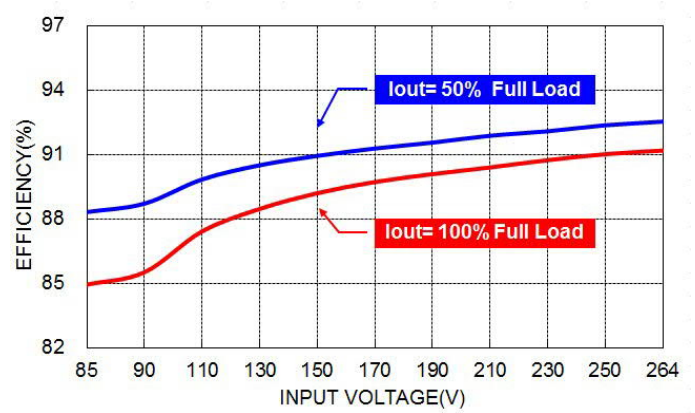


Characteristic Curves

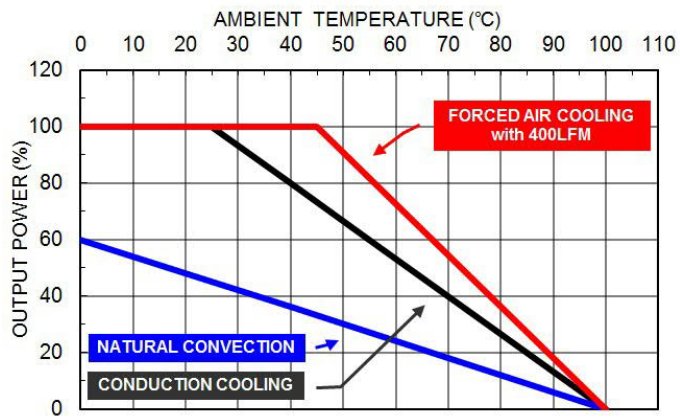
All test conditions are at 25°C. The figures are identical for XTBF500US12



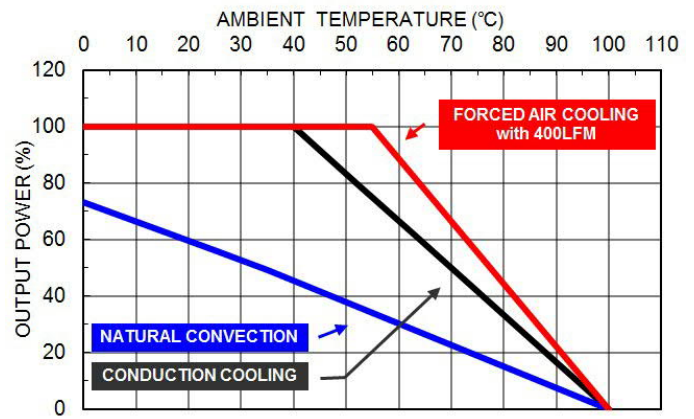
Efficiency versus Output Load



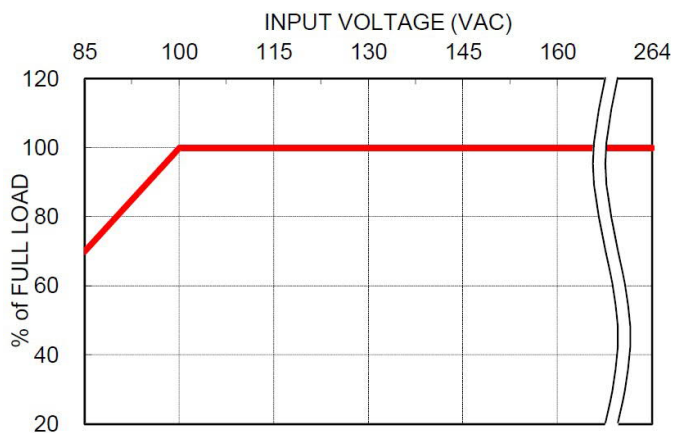
Efficiency versus Input Voltage



Derating Curve vs. Ambient Temperature
 $V_{in}=115VAC$
Open type



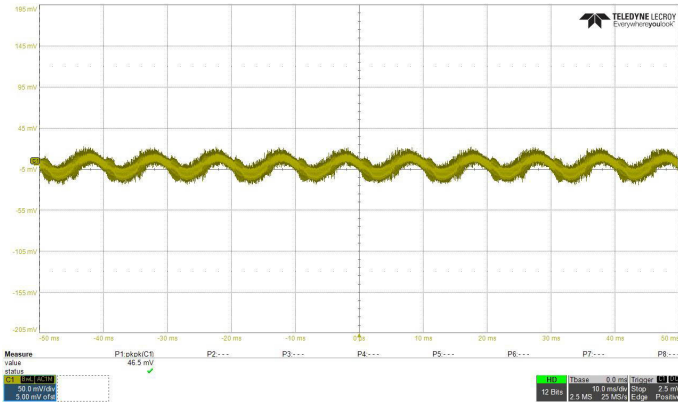
Derating Curve vs. Ambient Temperature
 $V_{in}=230VAC$
Open type



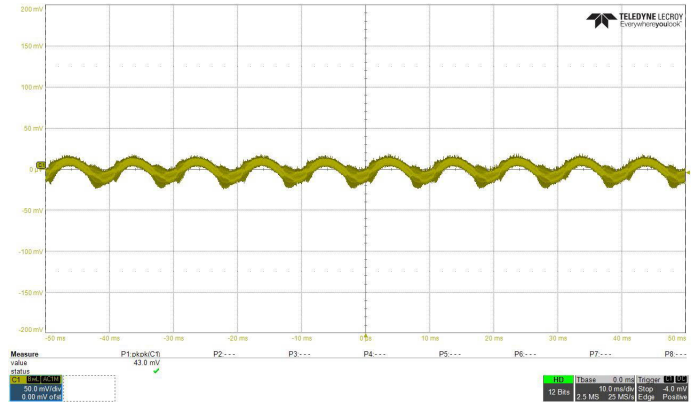
Derating Curve vs. Input Voltage

Characteristic Curves (Continued)

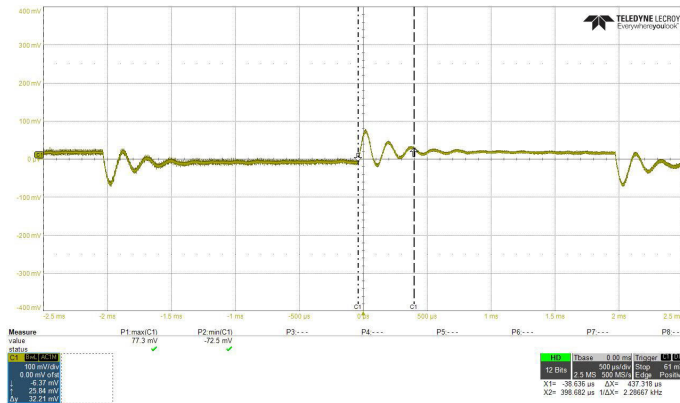
All test conditions are at 25°C. The figures are identical for XTBF500US12



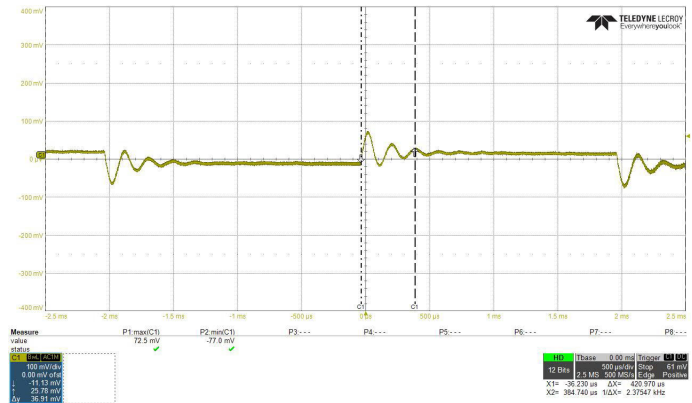
C1: 50mV / Div X: 10ms / Div
Typical Output Ripple and Noise.
Vin=115VAC; Full Load



C1: 50mV / Div X: 10ms / Div
Typical Output Ripple and Noise.
Vin=230VAC; Full Load



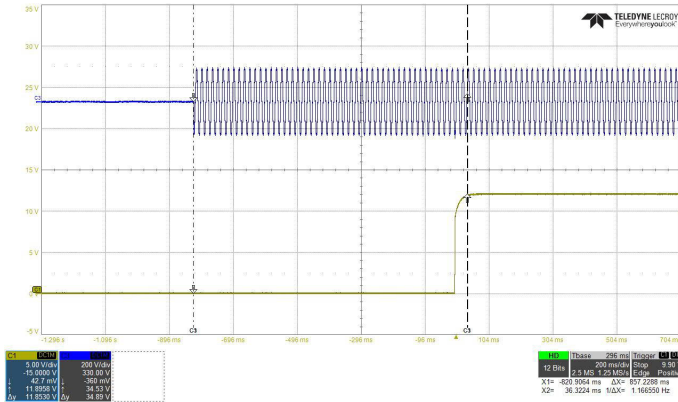
C1: 100mV / Div X: 500μs / Div
Transient Response to Dynamic Load Change from
50% to 75% to 50% of Full Load; Vin=115VAC



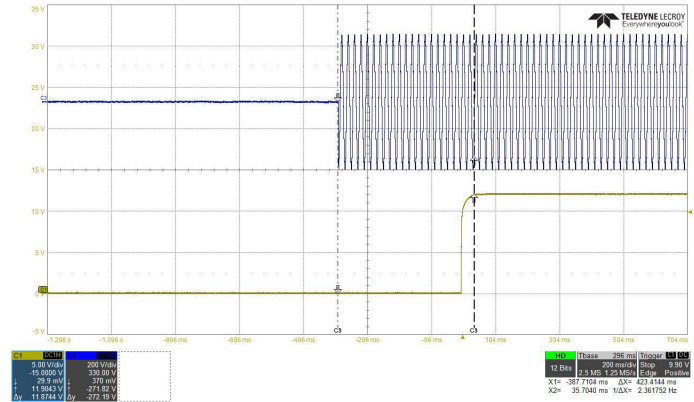
C1: 100mV / Div X: 500μs / Div
Transient Response to Dynamic Load Change from
50% to 75% to 50% of Full Load; Vin=230VAC

Characteristic Curves (Continued)

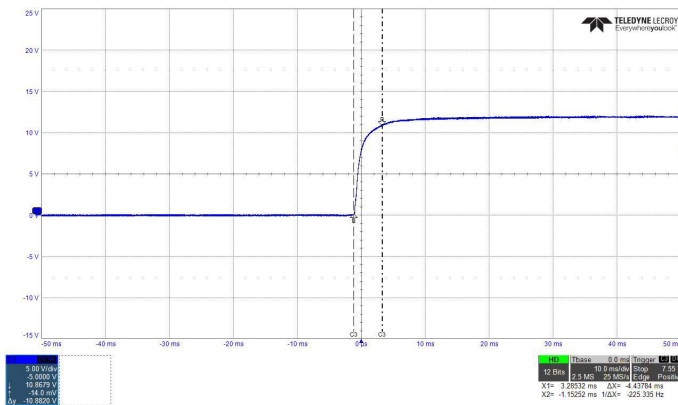
All test conditions are at 25°C. The figures are identical for XTBF500US12



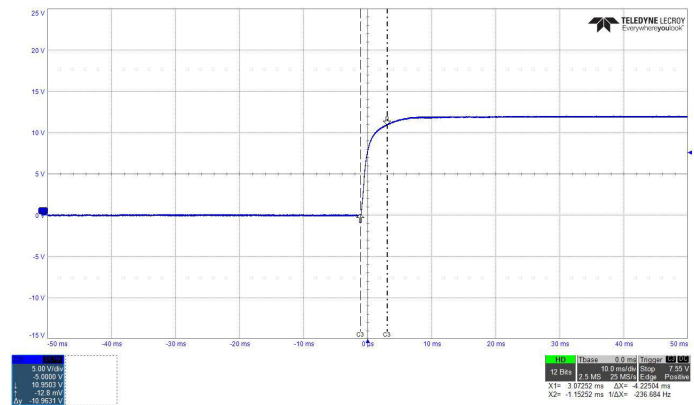
C1: 5V / Div C3: 200V / Div X: 200ms / Div
Typical Input Start-Up Characteristic
Vin=115VAC; Full Load



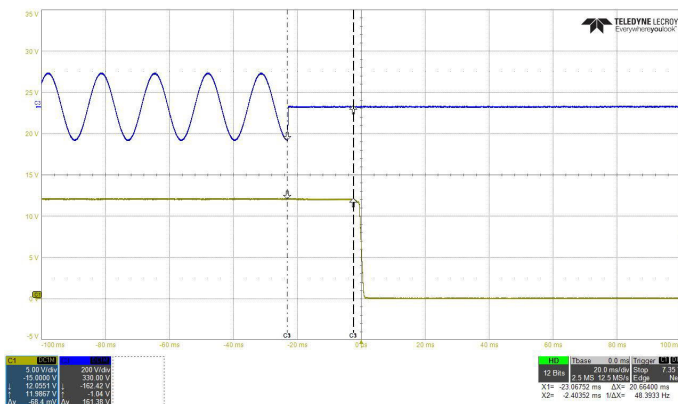
C1: 5V / Div C3: 200V / Div X: 200ms / Div
Typical Input Start-Up Characteristic
Vin=230VAC; Full Load



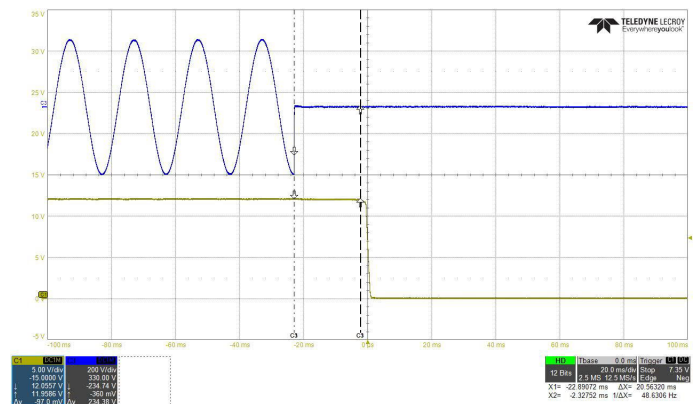
C1: 5V / Div X: 10ms / Div
Typical Output Rise Characteristic
Vin=115VAC; Full Load



C1: 5V / Div X: 10ms / Div
Typical Output Rise Characteristic
Vin=230VAC; Full Load



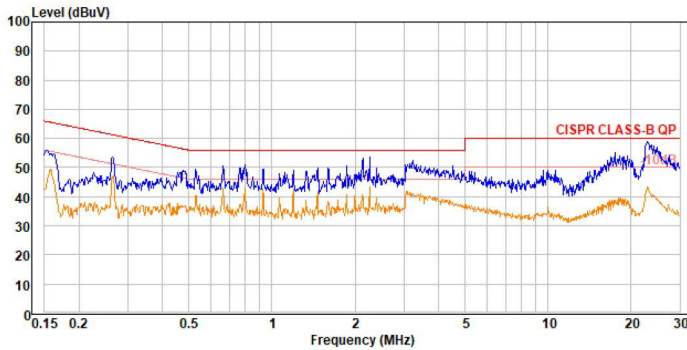
C1: 5V / Div C3: 200V / Div X: 20ms / Div
Typical Hold-Up Characteristic
Vin=115VAC; Full Load



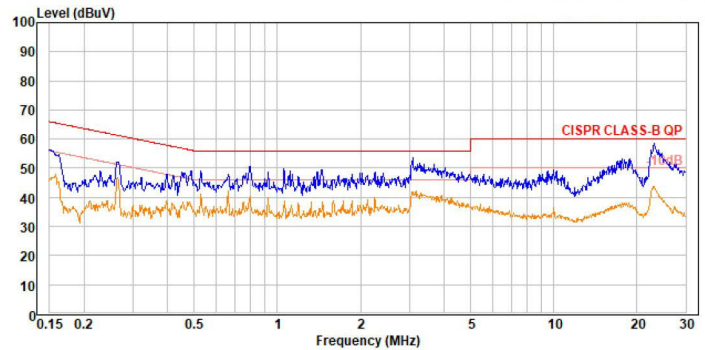
C1: 5V / Div C3: 200V / Div X: 20ms / Div
Typical Hold-Up Characteristic
Vin=230VAC; Full Load

Characteristic Curves (Continued)

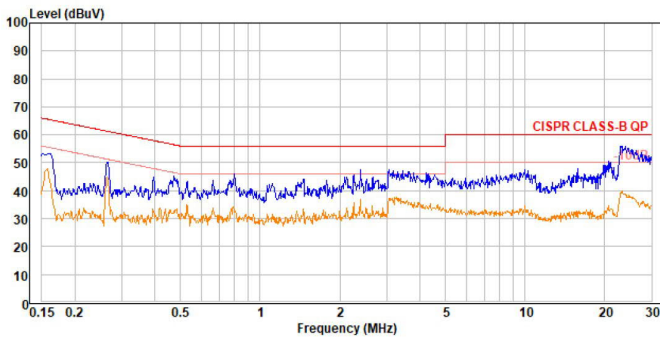
All test conditions are at 25°C. The figures are identical for XTBF500US12



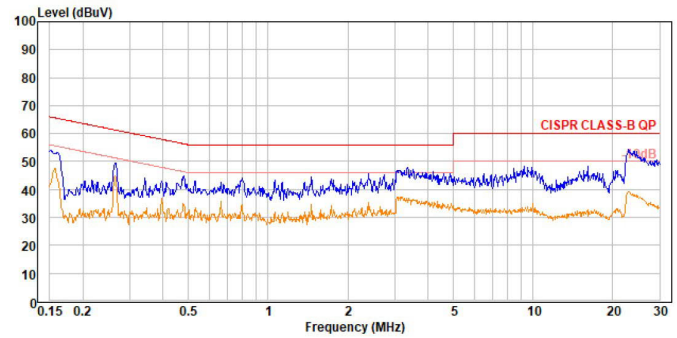
Blue Line: Peak
Orange Line: AVG
Conduction Emission of EN55032 Class B
Vin=115VAC; Full Load; LINE



Blue Line: Peak
Orange Line: AVG
Conduction Emission of EN55032 Class B
Vin=230VAC; Full Load; LINE



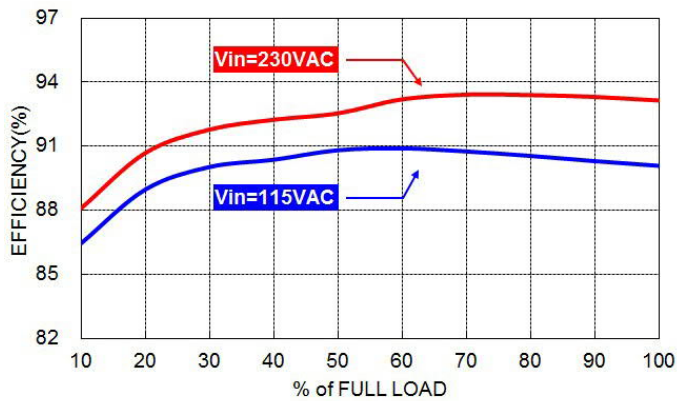
Blue Line: Peak
Orange Line: AVG
Conduction Emission of EN55032 Class B
Vin=115VAC; Full Load; NEUTRAL



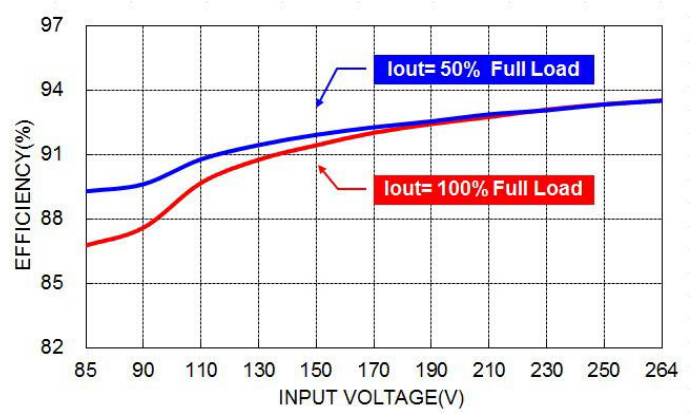
Blue Line: Peak
Orange Line: AVG
Conduction Emission of EN55032 Class B
Vin=230VAC; Full Load; NEUTRAL

Characteristic Curves (Continued)

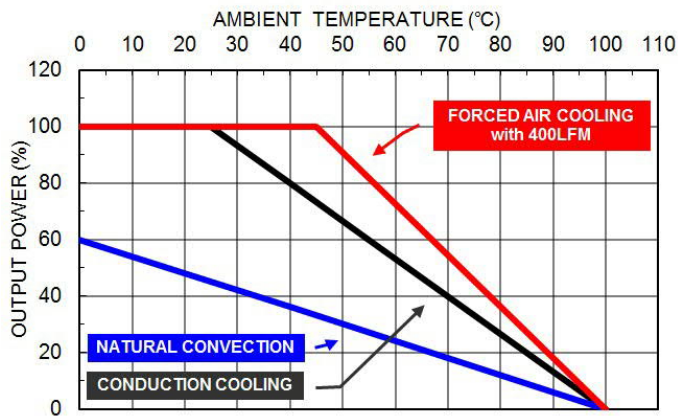
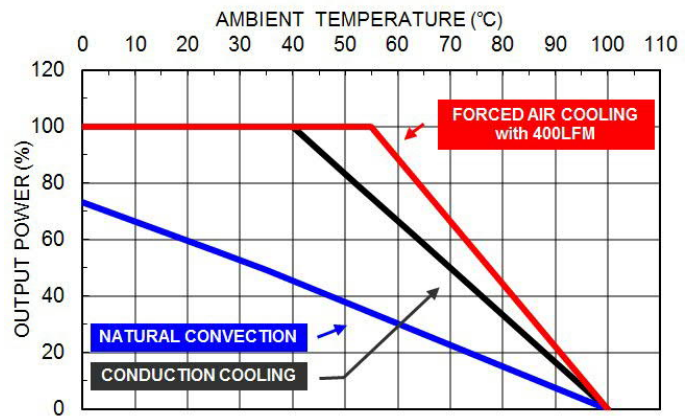
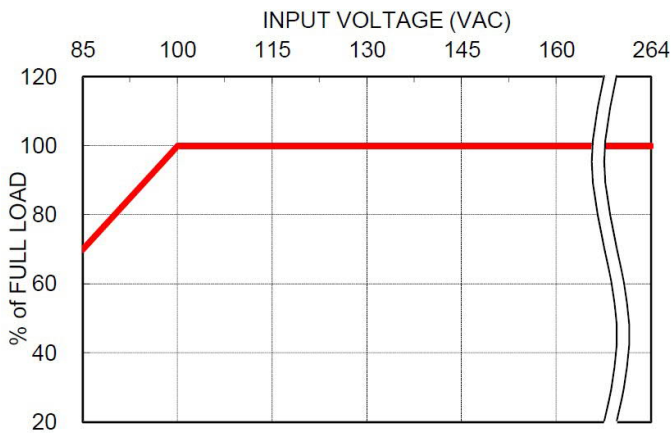
All test conditions are at 25°C. The figures are identical for XTBF500US24



Efficiency versus Output Load



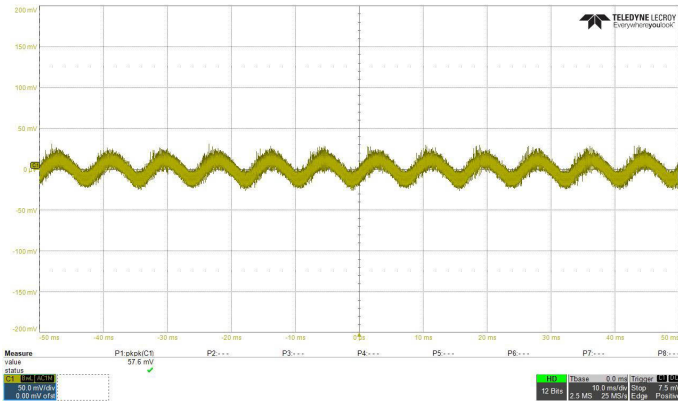
Efficiency versus Input Voltage


Derating Curve vs. Ambient Temperature
 $V_{in}=115VAC$
Open type

Derating Curve vs. Ambient Temperature
 $V_{in}=230VAC$
Open type


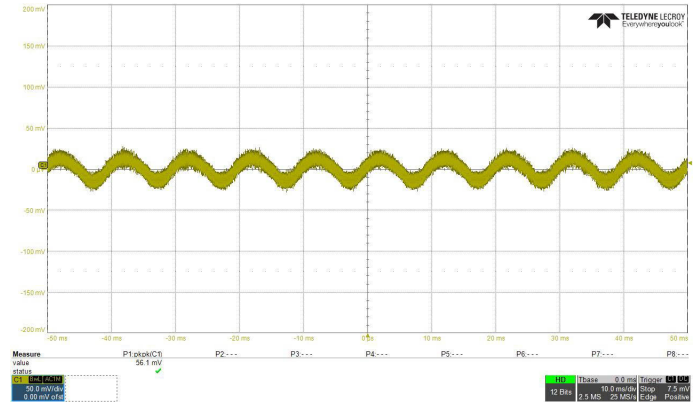
Derating Curve vs. Input Voltage

Characteristic Curves (Continued)

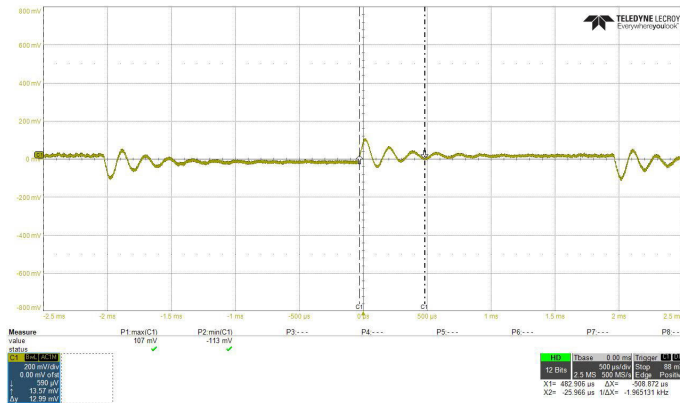
All test conditions are at 25°C. The figures are identical for XTBF500US24



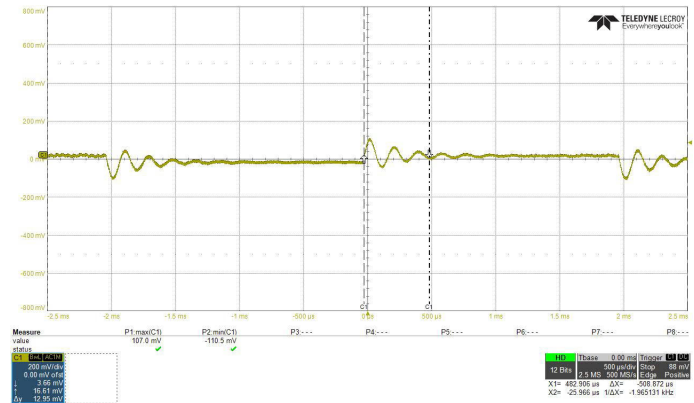
C1: 50mV / Div X: 10mS / Div
Typical Output Ripple and Noise.
Vin=115VAC; Full Load



C1: 50mV / Div X: 10mS / Div
Typical Output Ripple and Noise.
Vin=230VAC; Full Load



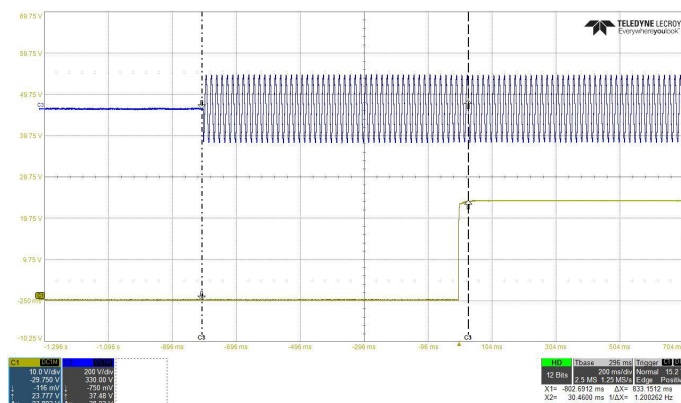
C1: 200mV / Div X: 500µS / Div
Transient Response to Dynamic Load Change from
50% to 75% to 50% of Full Load; Vin=115VAC



C1: 200mV / Div X: 500µS / Div
Transient Response to Dynamic Load Change from
50% to 75% to 50% of Full Load; Vin=230VAC

Characteristic Curves (Continued)

All test conditions are at 25°C. The figures are identical for XTBF500US24

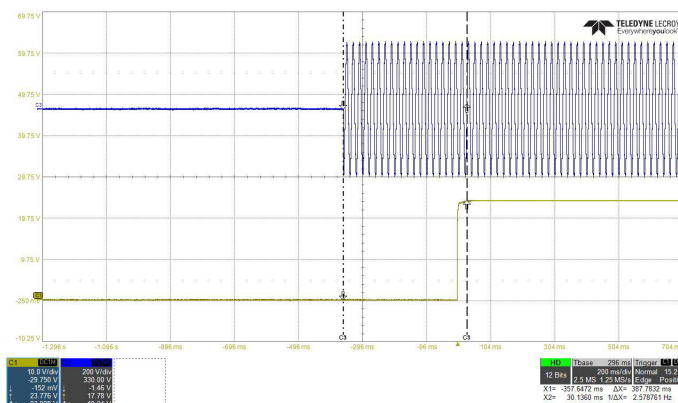


C1: 10V/ Div

C3: 200V/ Div

X: 200mS / Div

Typical Input Start-Up Characteristic
Vin=115VAC: Full Load

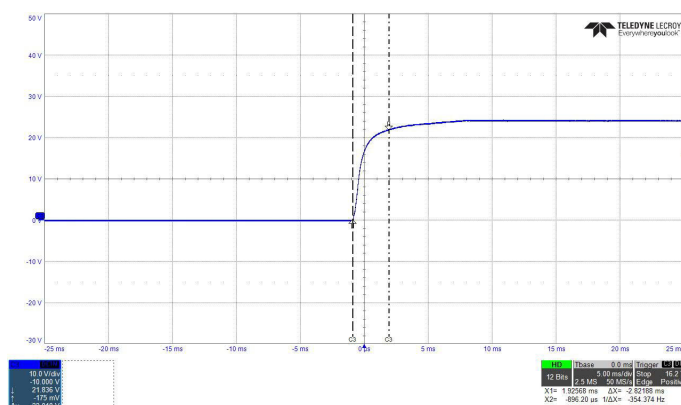


C1: 10V/ Div

C3: 200V/ Div

X: 200mS / Div

Typical Input Start-Up Characteristic
Vin=230VAC: Full Load

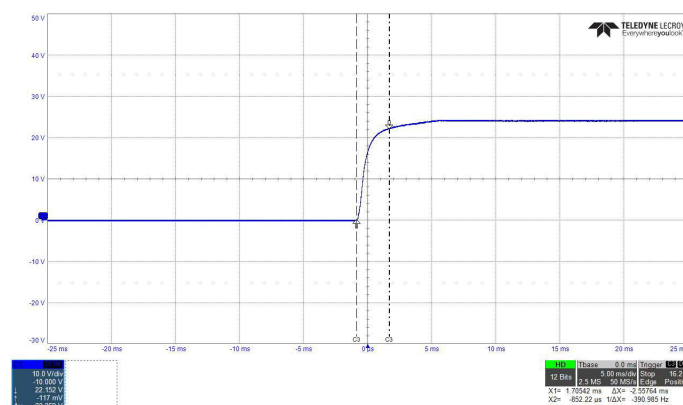


C1: 10V

10V / Div

X: 5mS / Div

Typical Output Rise Characteristic
Vin=115VAC; Full Load

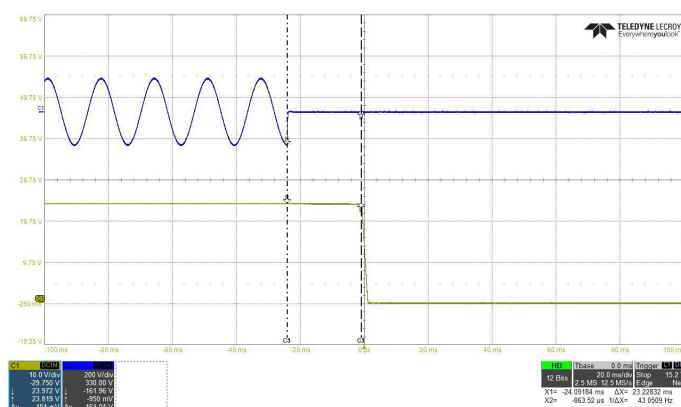


C1: 1

10V / Div

X: 5mS / Div

Typical Output Rise Characteristic
Vin=230VAC; Full Load

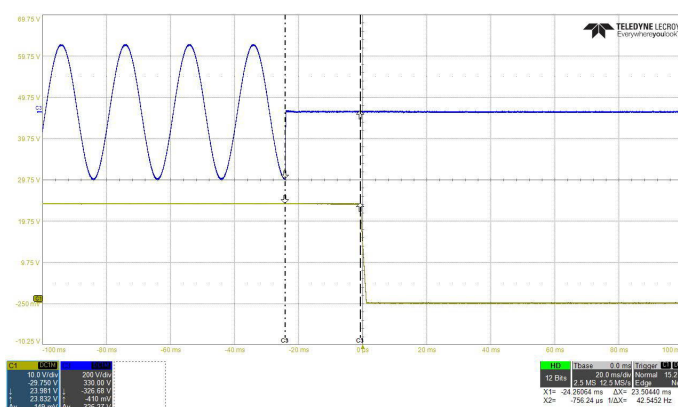


C1: 10V / Div

C3: 200V

X: 20mS / Div

Typical Hold-Up Characteristic
Vin=115VAC; Full Load



C1: 10V / Div

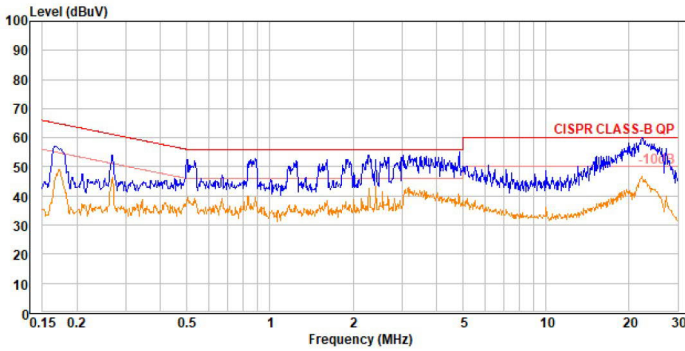
C3: 200V

X: 20mS / Div

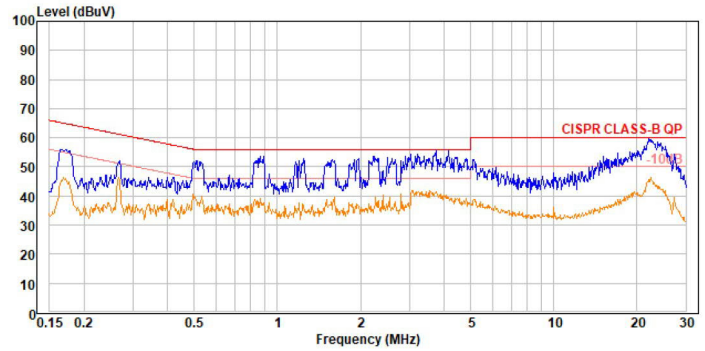
Typical Hold-Up Characteristic
Vin=230VAC; Full Load

Characteristic Curves (Continued)

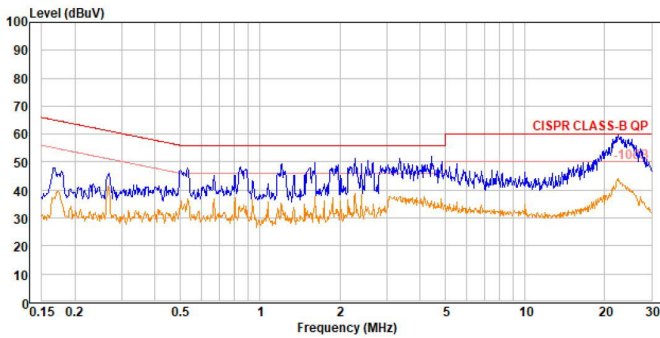
All test conditions are at 25°C. The figures are identical for XTBF500US24



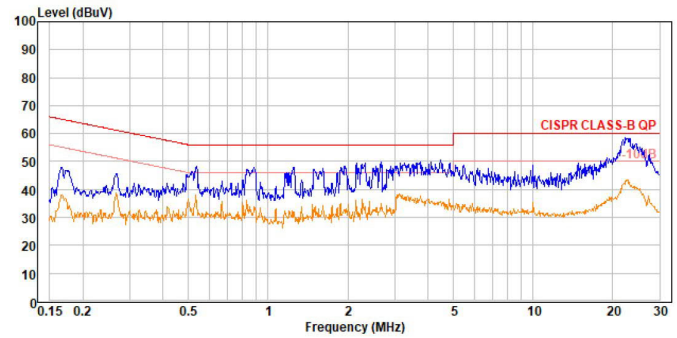
Blue Line: Peak
Orange Line: AVG
Conduction Emission of EN55032 Class B
Vin=115VAC; Full Load; LINE



Blue Line: Peak
Orange Line: AVG
Conduction Emission of EN55032 Class B
Vin=230VAC; Full Load; LINE



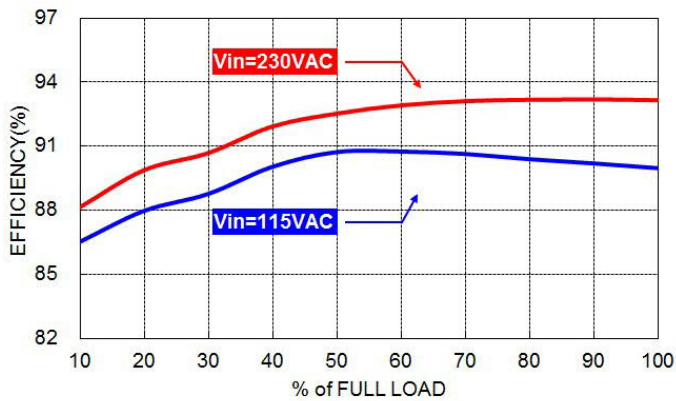
Blue Line: Peak
Orange Line: AVG
Conduction Emission of EN55032 Class B
Vin=115VAC; Full Load; NEUTRAL



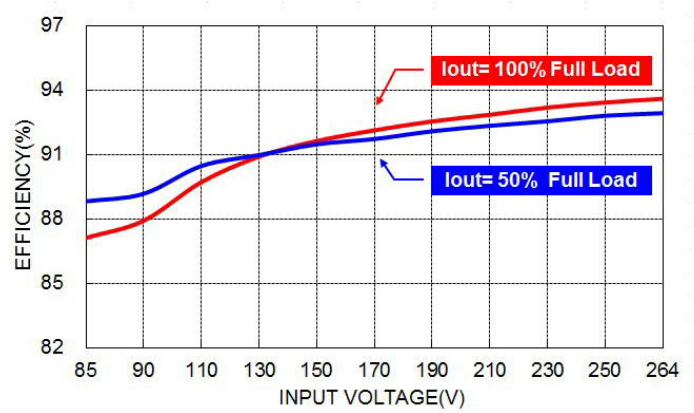
Blue Line: Peak
Orange Line: AVG
Conduction Emission of EN55032 Class B
Vin=230VAC; Full Load; NEUTRAL

Characteristic Curves (Continued)

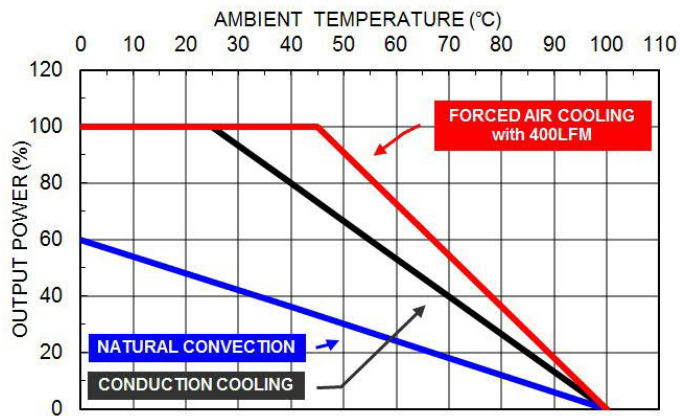
All test conditions are at 25°C. The figures are identical for XTBF500US28



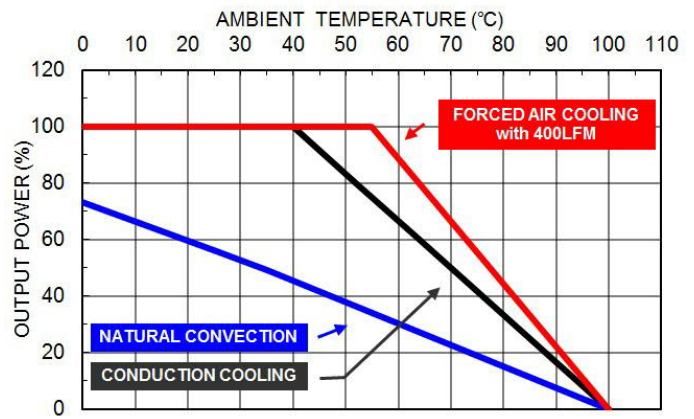
Efficiency versus Output Load



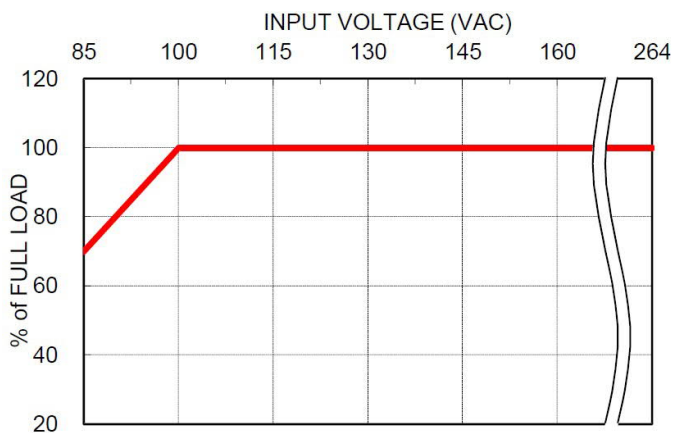
Efficiency versus Input Voltage



Derating Curve vs. Ambient Temperature
 $V_{in}=115VAC$
Open type



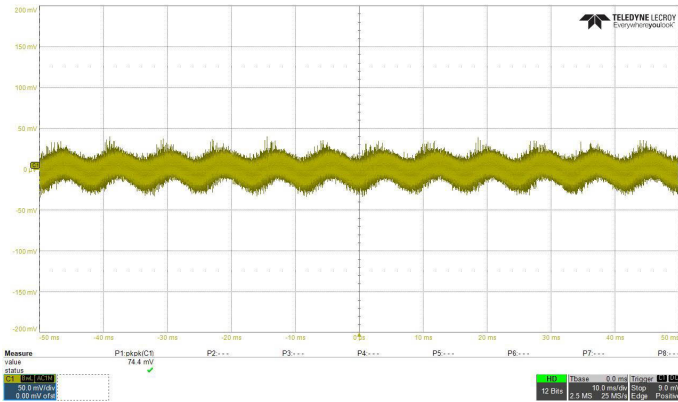
Derating Curve vs. Ambient Temperature
 $V_{in}=230VAC$
Open type



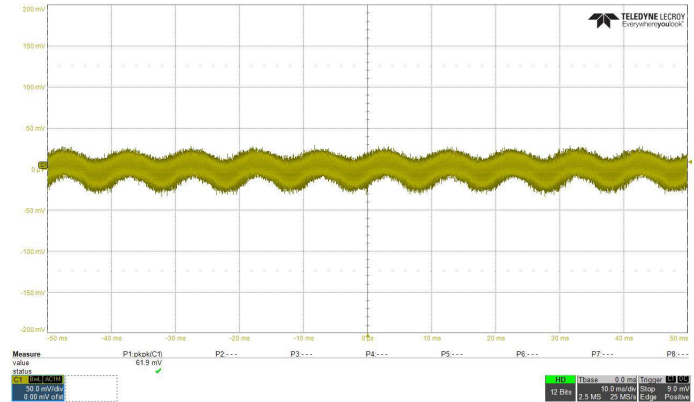
Derating Curve vs. Input Voltage

Characteristic Curves (Continued)

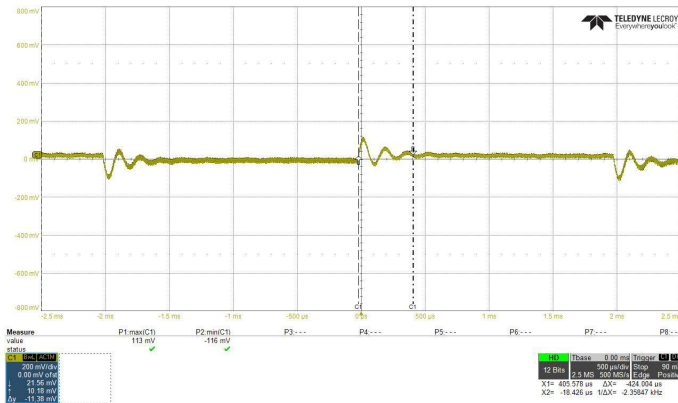
All test conditions are at 25°C. The figures are identical for XTBF500US28



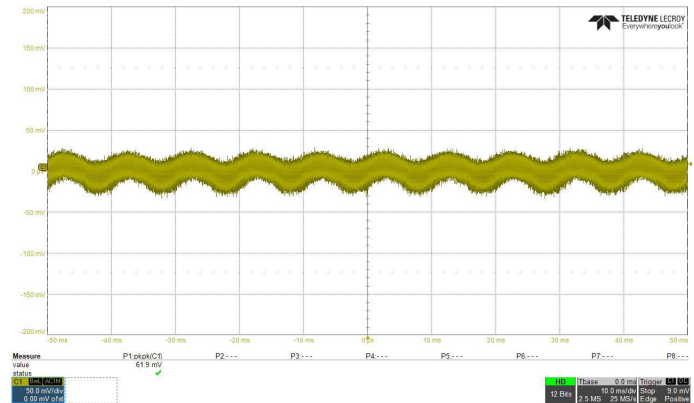
C1: 50mV / Div X: 10mS / Div
Typical Output Ripple and Noise.
Vin=115VAC; Full Load



C1: 50mV / Div X: 10mS / Div
Typical Output Ripple and Noise.
Vin=230VAC; Full Load



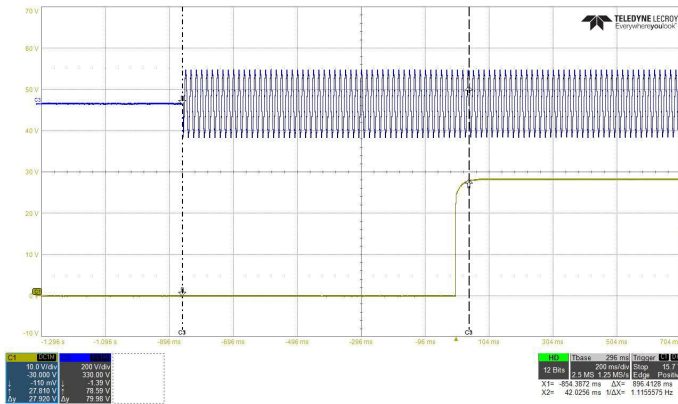
C1: 200mV / Div X: 500µS / Div
Transient Response to Dynamic Load Change from
50% to 75% to 50% of Full Load; Vin=115VAC



C1: 50mV / Div X: 10µS / Div
Transient Response to Dynamic Load Change from
50% to 75% to 50% of Full Load; Vin=230VAC

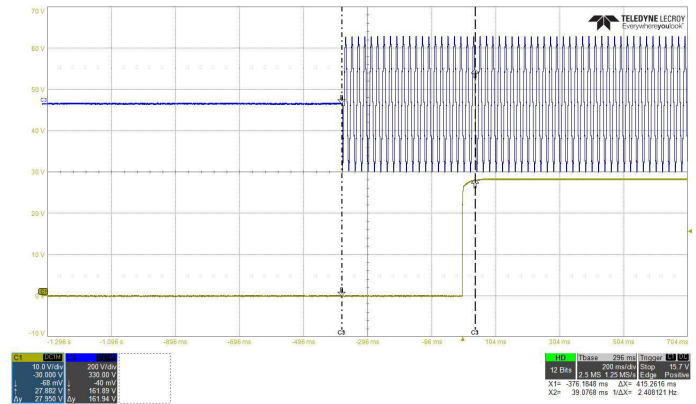
Characteristic Curves (Continued)

All test conditions are at 25°C. The figures are identical for XTBF500US28



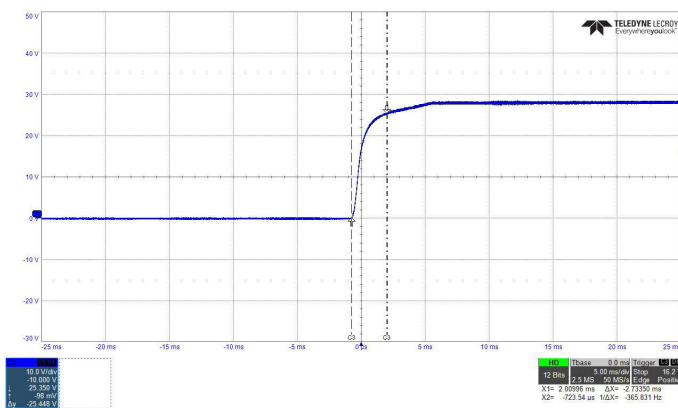
C1: 10V/ Div C3: 200V/ Div X: 200mS / Div

Typical Input Start-Up Characteristic
Vin=115VAC; Full Load

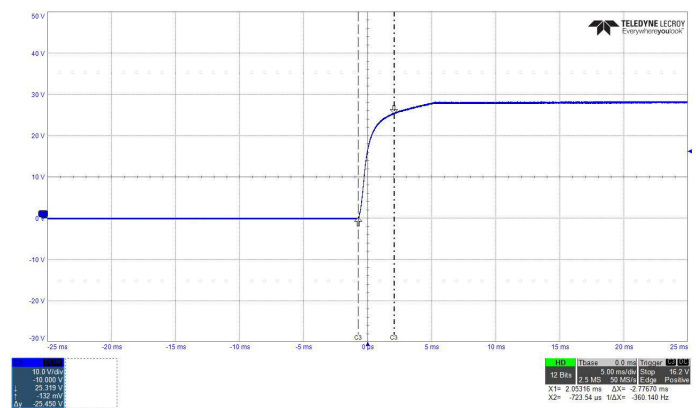


C1: 10V/ Div C3: 200V/ Div X: 200mS / Div

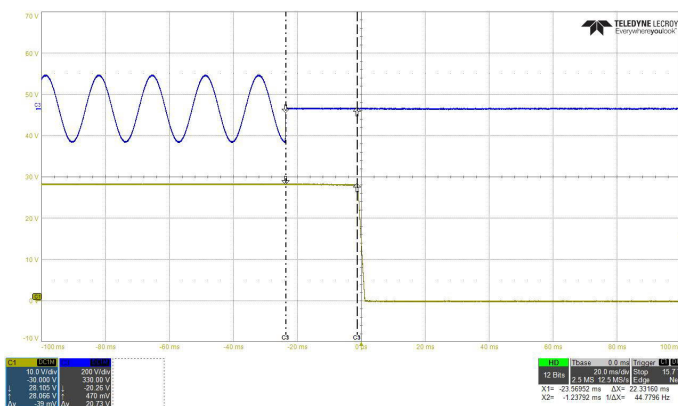
Typical Input Start-Up Characteristic
Vin=230VAC; Full Load



C1: 10V / Div X: 5mS / Div
Typical Output Rise Characteristic
Vin=115VAC; Full Load

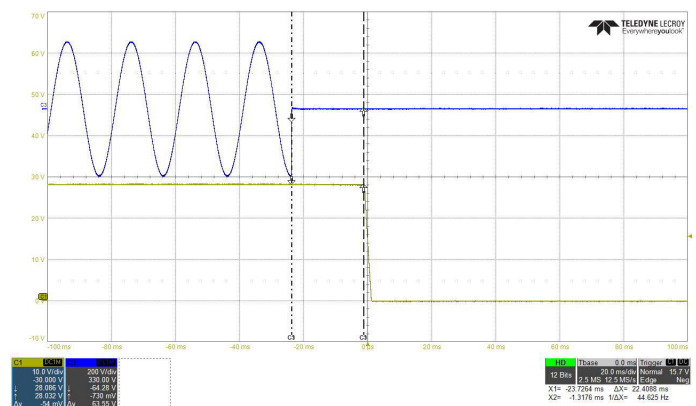


C1: 10V / Div X: 5mS / Div
Typical Output Rise Characteristic
Vin=230VAC; Full Load



C1: 10V / Div C3: 200V / Div X: 20mS / Div

Typical Hold-Up Characteristic
Vin=115VAC; Full Load

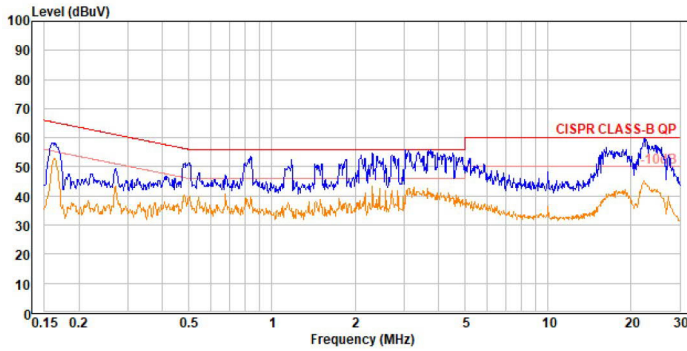


C1: 10V / Div C3: 200V / Div X: 20mS / Div

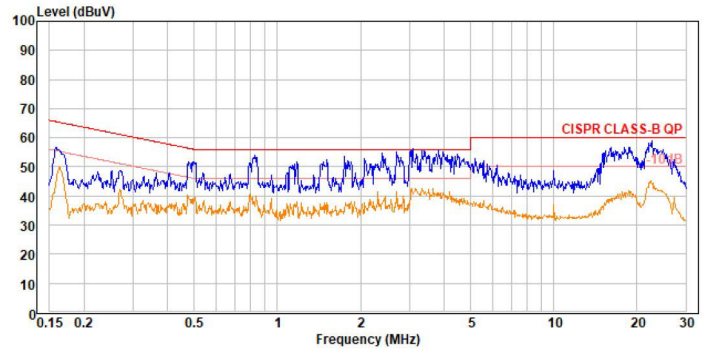
Typical Hold-Up Characteristic
Vin=230VAC; Full Load

Characteristic Curves (Continued)

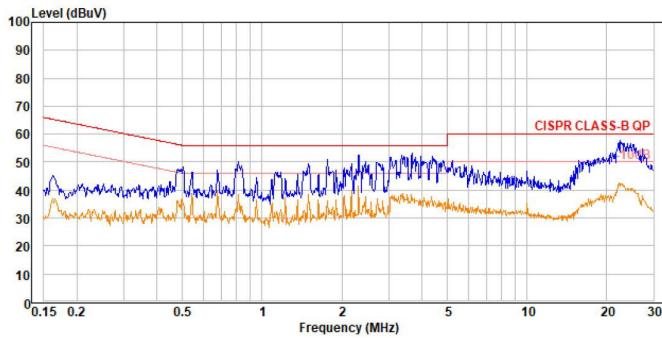
All test conditions are at 25°C. The figures are identical for XTBF500US28



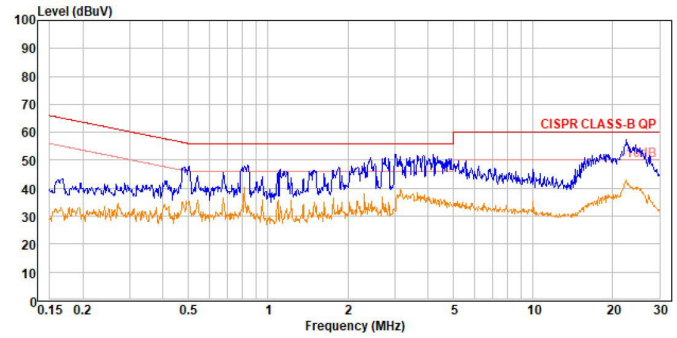
Blue Line: Peak
Orange Line: AVG
Conduction Emission of EN55032 Class B
Vin=115VAC; Full Load; LINE



Blue Line: Peak
Orange Line: AVG
Conduction Emission of EN55032 Class B
Vin=230VAC; Full Load; LINE



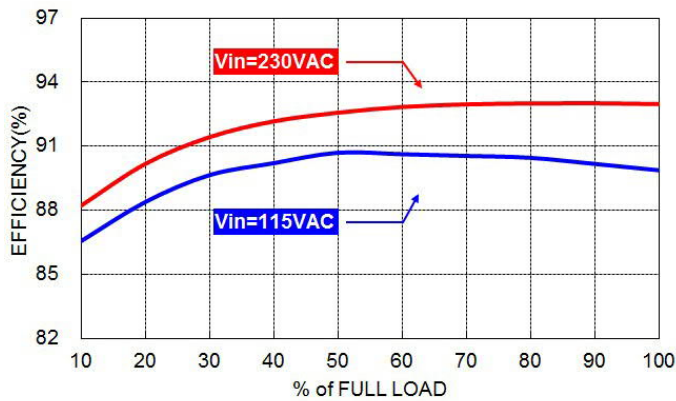
Blue Line: Peak
Orange Line: AVG
Conduction Emission of EN55032 Class B
Vin=115VAC; Full Load; NEUTRAL



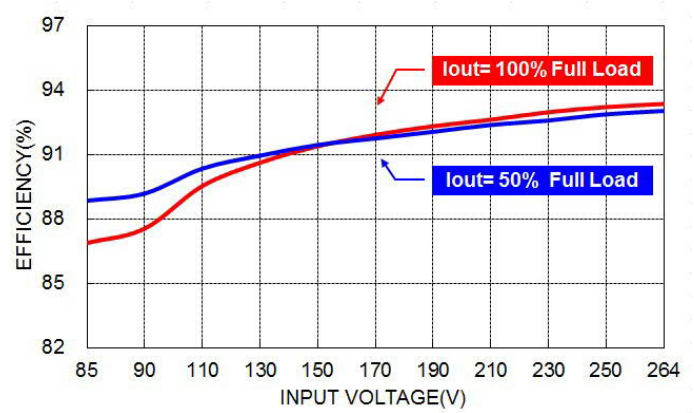
Blue Line: Peak
Orange Line: AVG
Conduction Emission of EN55032 Class B
Vin=230VAC; Full Load; NEUTRAL

Characteristic Curves (Continued)

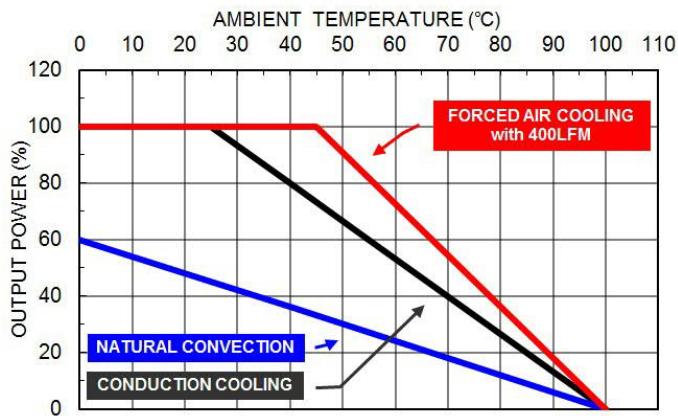
All test conditions are at 25°C. The figures are identical for XTBF500US48



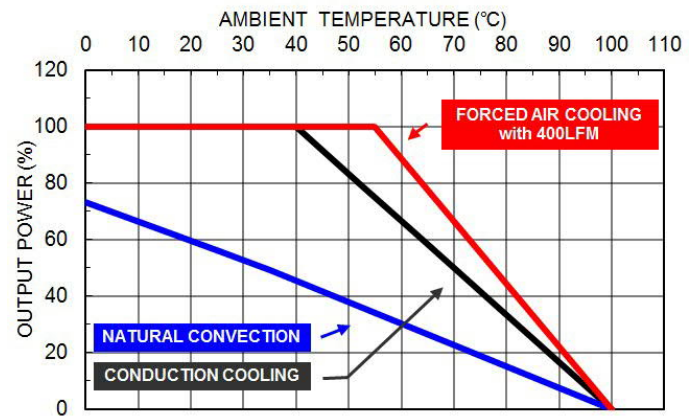
Efficiency versus Output Load



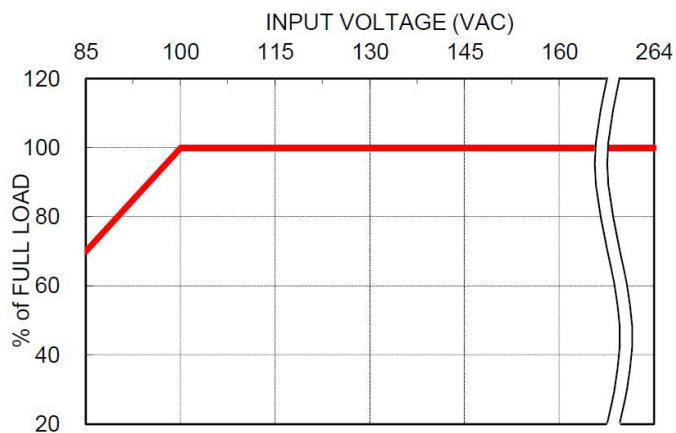
Efficiency versus Input Voltage



Derating Curve vs. Ambient Temperature
 $V_{in}=115VAC$
Open type



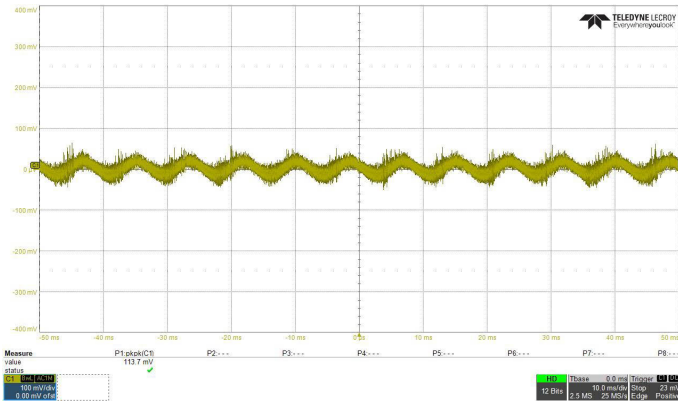
Derating Curve vs. Ambient Temperature
 $V_{in}=230VAC$
Open type



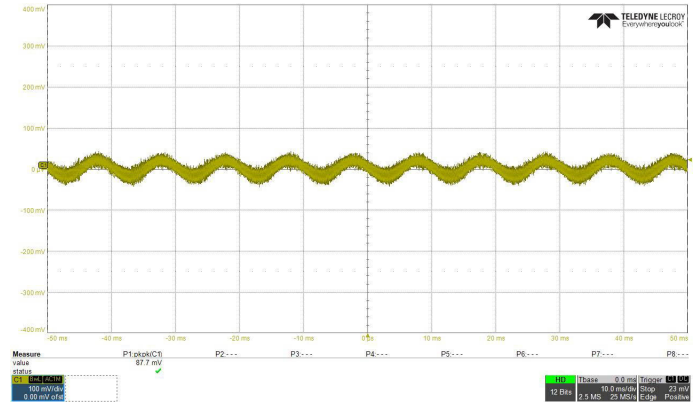
Derating Curve vs. Input Voltage

Characteristic Curves (Continued)

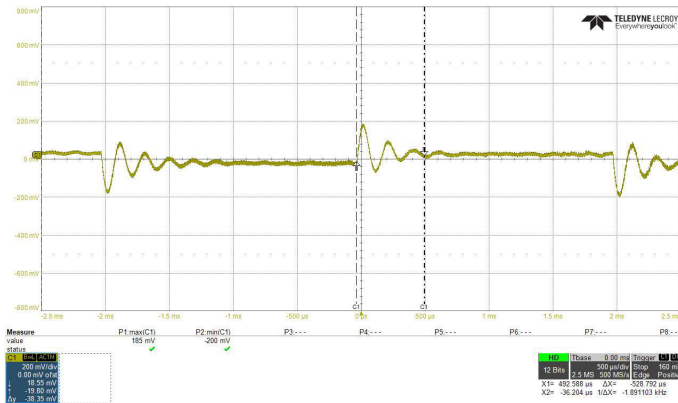
All test conditions are at 25°C. The figures are identical for XTBF500US48



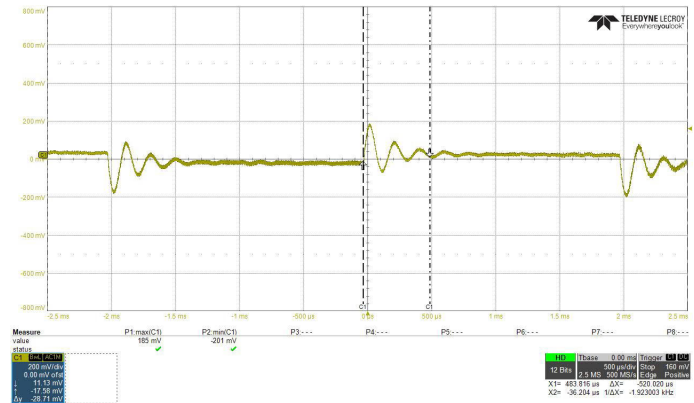
C1: 100mV / Div X: 10ms / Div
Typical Output Ripple and Noise.
Vin=115VAC; Full Load



C1: 100mV / Div X: 10ms / Div
Typical Output Ripple and Noise.
Vin=230VAC; Full Load



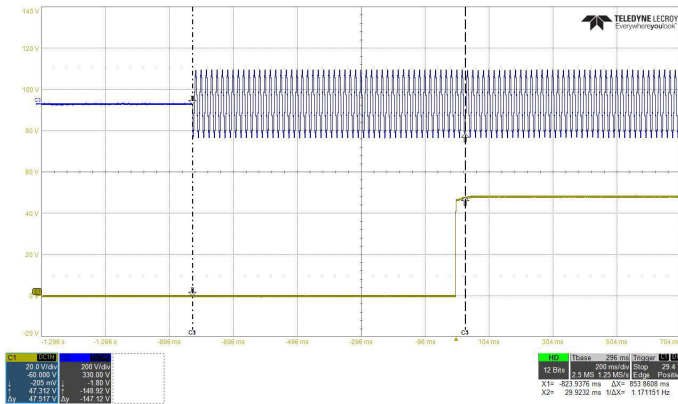
C1: 200mV / Div X: 500µs / Div
Transient Response to Dynamic Load Change from
50% to 75% to 50% of Full Load; Vin=115VAC



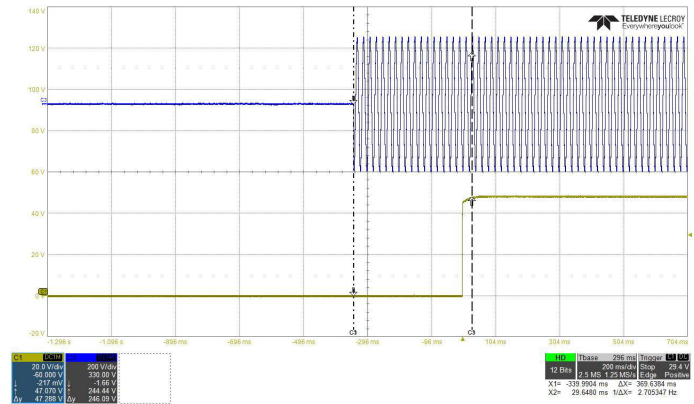
C1: 200mV / Div X: 500µs / Div
Transient Response to Dynamic Load Change from
50% to 75% to 50% of Full Load; Vin=230VAC

Characteristic Curves (Continued)

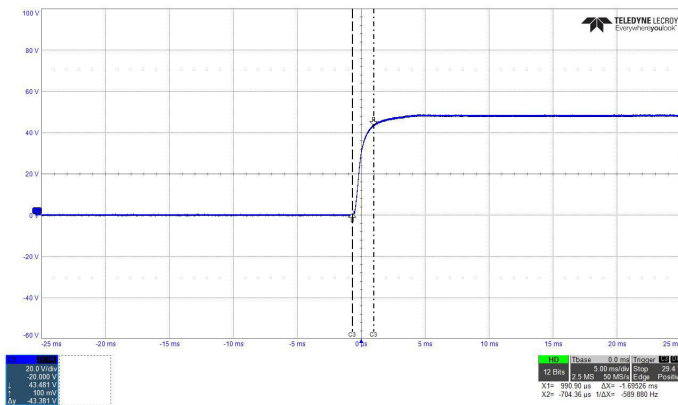
All test conditions are at 25°C. The figures are identical for XTBF500US48



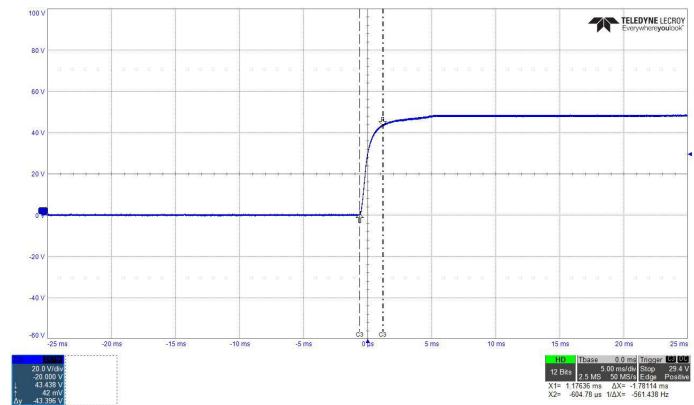
C1: 20V/Div C3: 200V/Div X: 200ms/Div
Typical Input Start-Up Characteristic
Vin=115VAC; Full Load



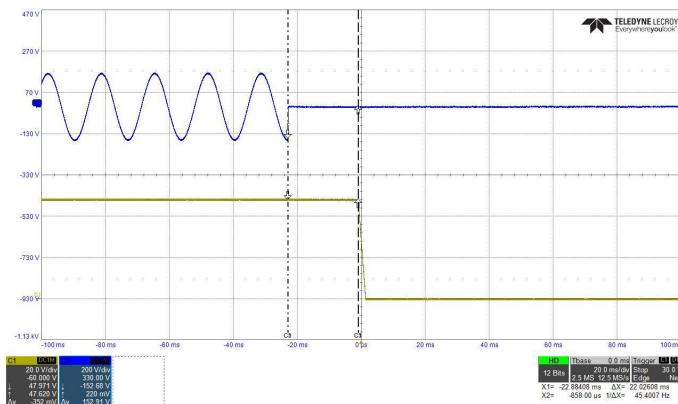
C1: 20V/Div C3: 200V/Div X: 200ms/Div
Typical Input Start-Up Characteristic
Vin=230VAC; Full Load



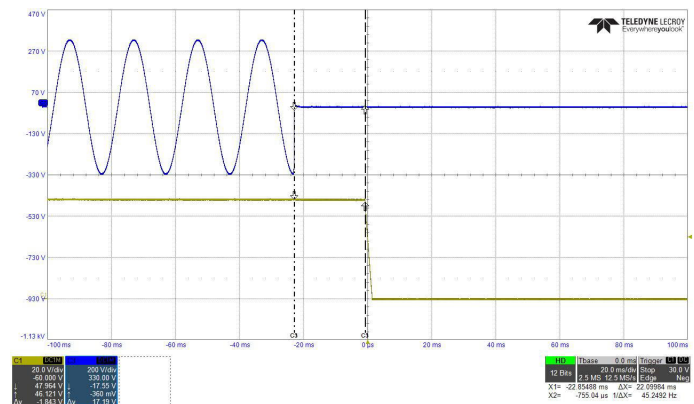
C1: 20V/Div X: 5ms/Div
Typical Output Rise Characteristic
Vin=115VAC; Full Load



C1: 20V/Div X: 5ms/Div
Typical Output Rise Characteristic
Vin=230VAC; Full Load



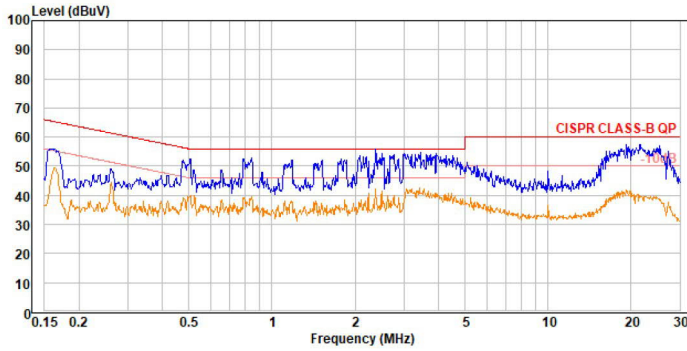
C1: 20V/Div C3: 200V/Div X: 20ms/Div
Typical Hold-Up Characteristic
Vin=115VAC; Full Load



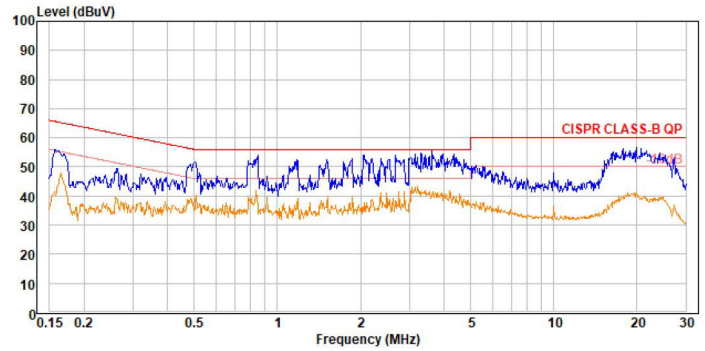
C1: 20V/Div C3: 200V/Div X: 20ms/Div
Typical Hold-Up Characteristic
Vin=230VAC; Full Load

Characteristic Curves (Continued)

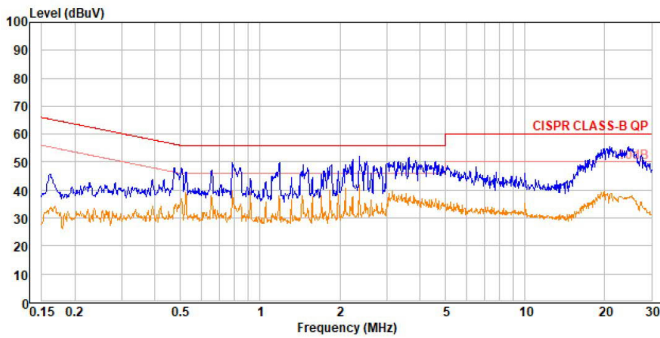
All test conditions are at 25°C. The figures are identical for XTBF500US48



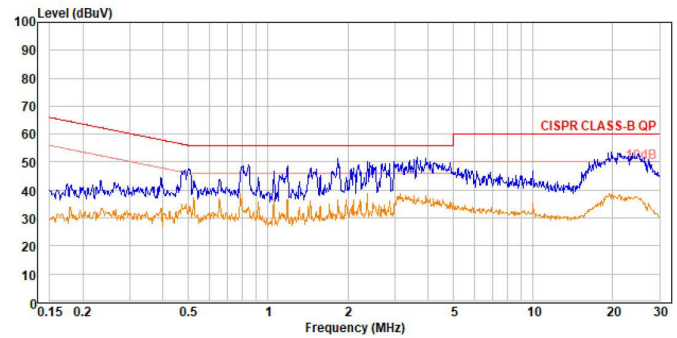
Blue Line: Peak
Orange Line: AVG
Conduction Emission of EN55032 Class B
Vin=115VAC; Full Load; LINE



Blue Line: Peak
Orange Line: AVG
Conduction Emission of EN55032 Class B
Vin=230VAC; Full Load; LINE



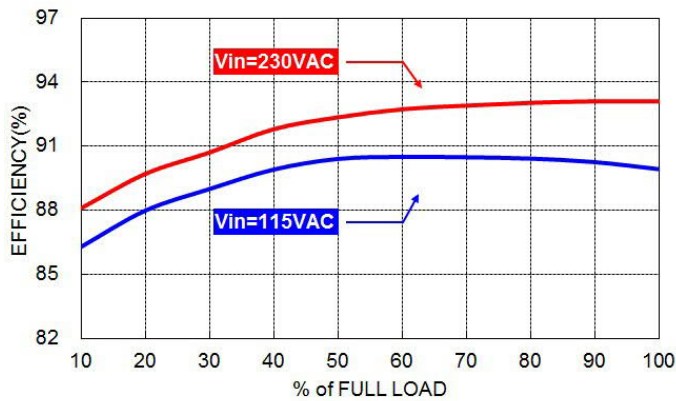
Blue Line: Peak
Orange Line: AVG
Conduction Emission of EN55032 Class B
Vin=115VAC; Full Load; NEUTRAL



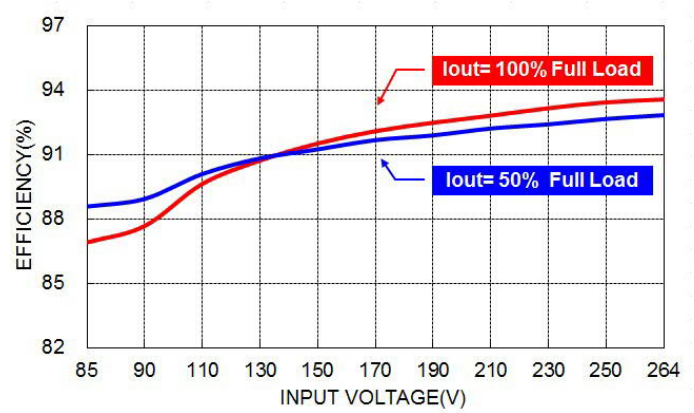
Blue Line: Peak
Orange Line: AVG
Conduction Emission of EN55032 Class B
Vin=230VAC; Full Load; NEUTRAL

Characteristic Curves (Continued)

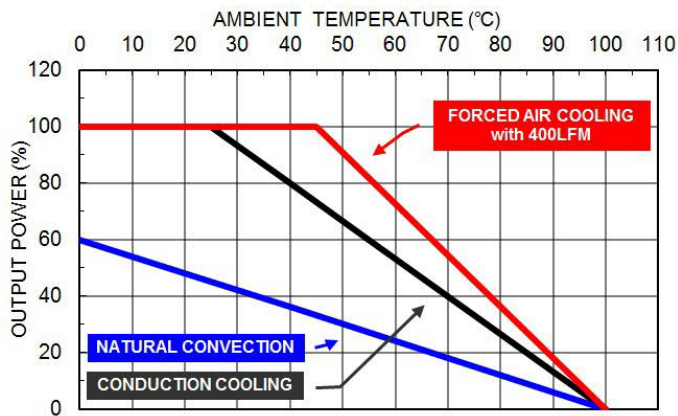
All test conditions are at 25°C. The figures are identical for XTBF500US54



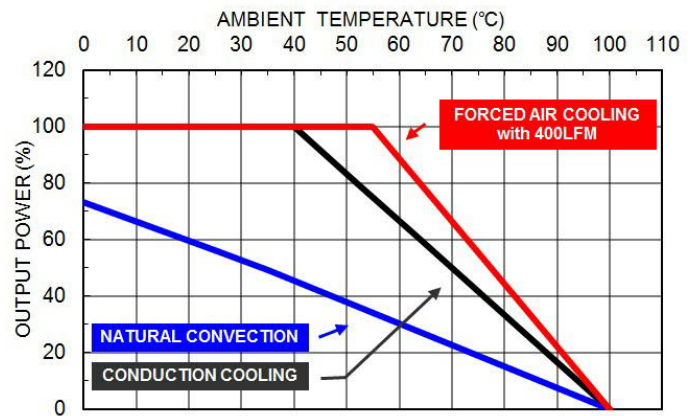
Efficiency versus Output Load



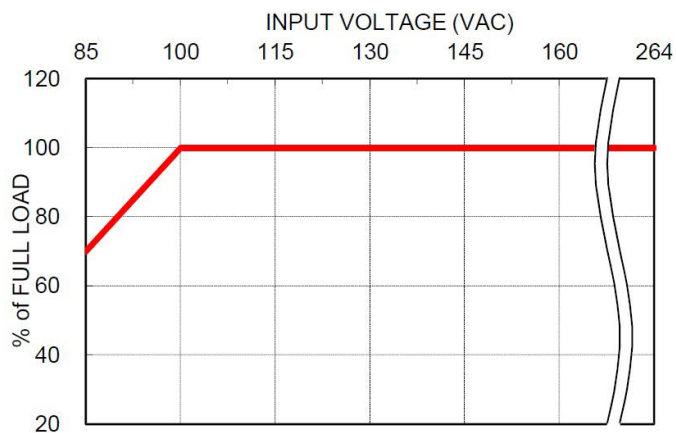
Efficiency versus Input Voltage



Derating Curve vs. Ambient Temperature
 $V_{in}=115VAC$
Open type



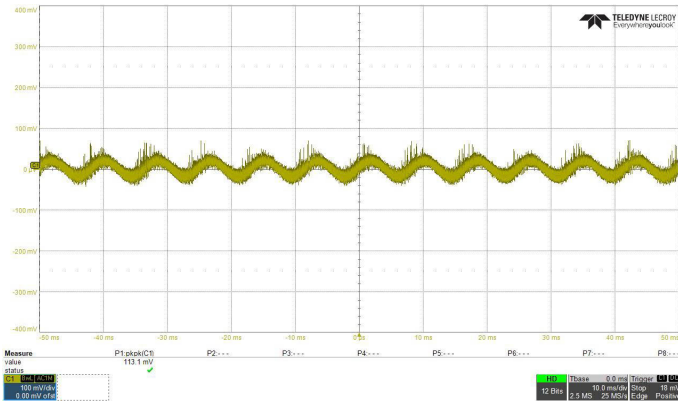
Derating Curve vs. Ambient Temperature
 $V_{in}=230VAC$
Open type



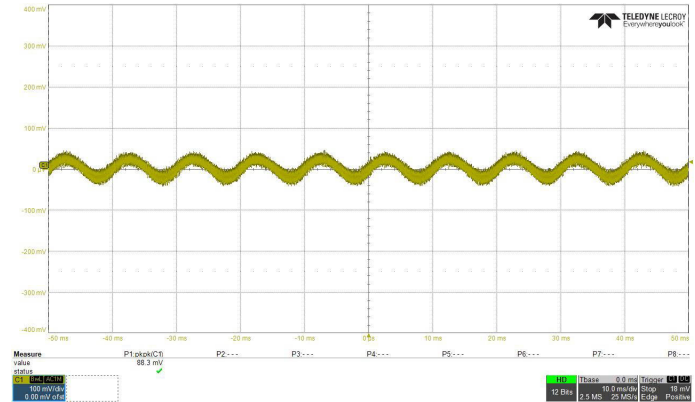
Derating Curve vs. Input Voltage

Characteristic Curves (Continued)

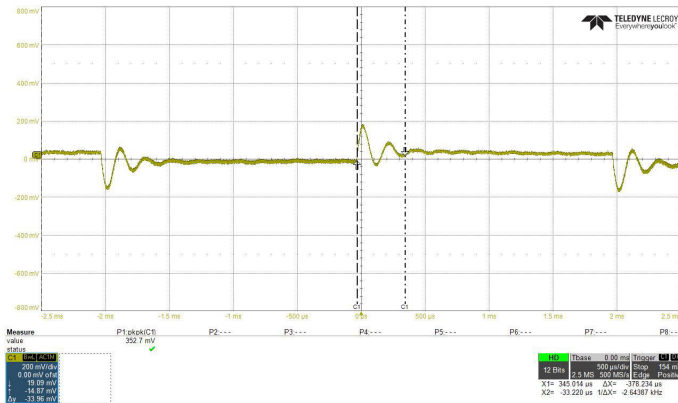
All test conditions are at 25°C. The figures are identical for XTBF500US54



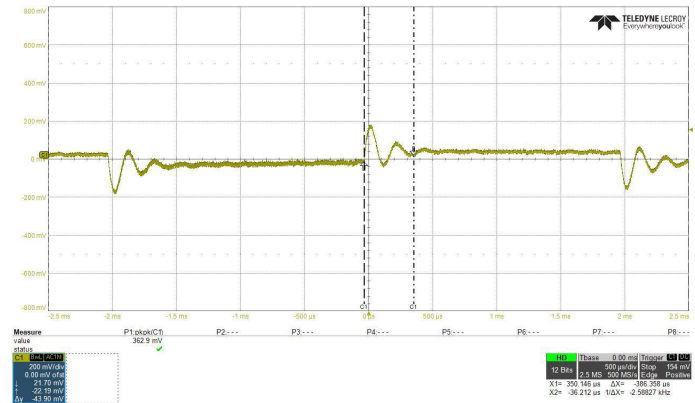
C1: 100mV / Div X: 10ms / Div
Typical Output Ripple and Noise.
Vin=115VAC; Full Load



C1: 100mV / Div X: 10ms / Div
Typical Output Ripple and Noise.
Vin=230VAC; Full Load



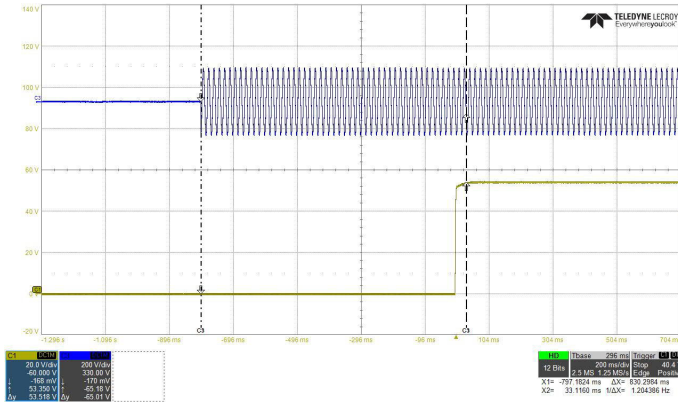
C1: 200mV / Div X: 500µs / Div
Transient Response to Dynamic Load Change from
50% to 75% to 50% of Full Load; Vin=115VAC



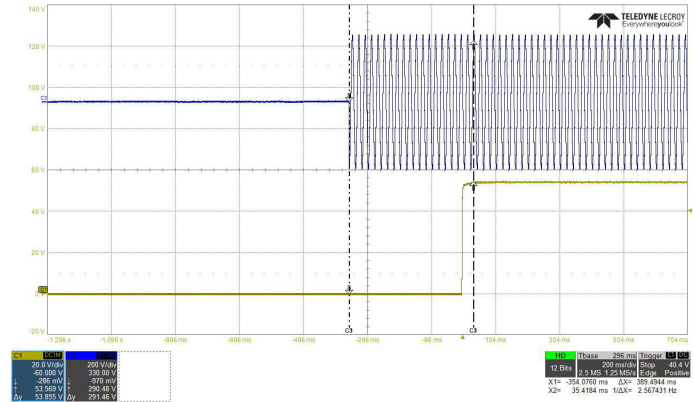
C1: 200mV / Div X: 500µs / Div
Transient Response to Dynamic Load Change from
50% to 75% to 50% of Full Load; Vin=230VAC

Characteristic Curves (Continued)

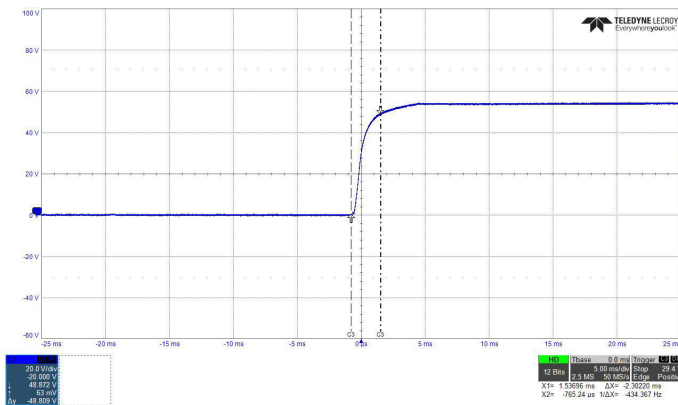
All test conditions are at 25°C. The figures are identical for XTBF500US54



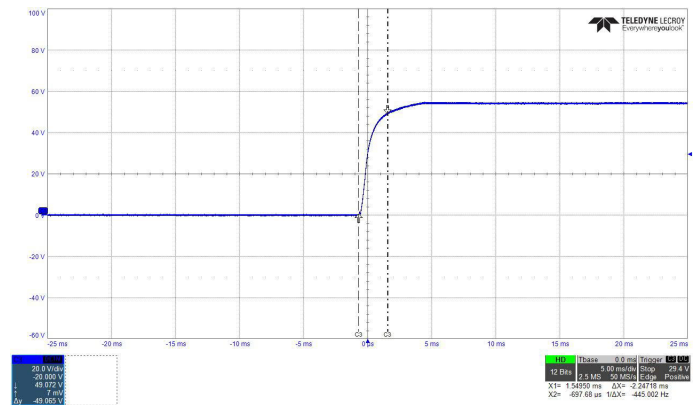
C1: 20V / Div C3: 200V / Div X: 200ms / Div
Typical Input Start-Up Characteristic
Vin=115VAC; Full Load



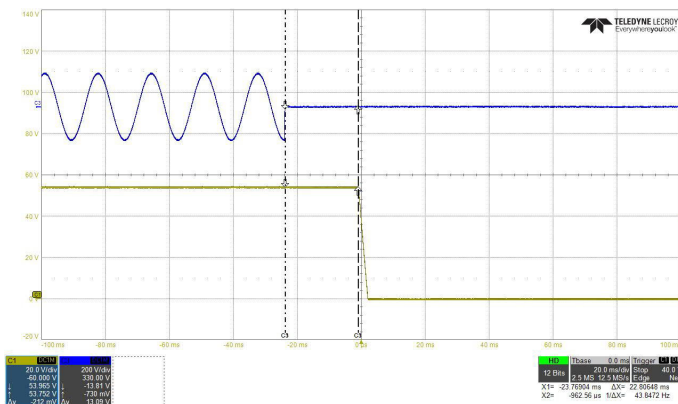
C1: 20V / Div C3: 200V / Div X: 200ms / Div
Typical Input Start-Up Characteristic
Vin=230VAC; Full Load



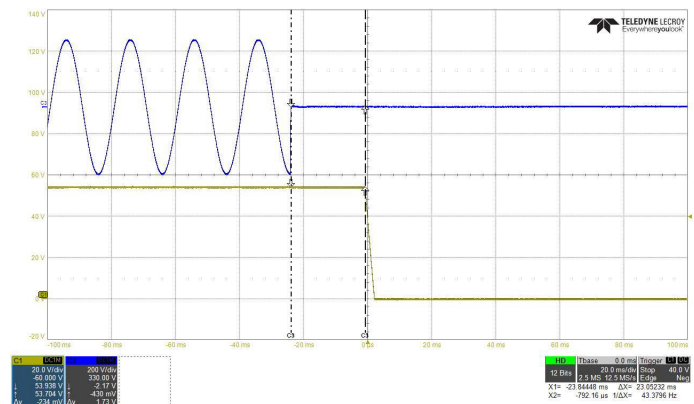
C1: 20V / Div X: 5ms / Div
Typical Output Rise Characteristic
Vin=115VAC; Full Load



C1: 20V / Div X: 5ms / Div
Typical Output Rise Characteristic
Vin=230VAC; Full Load



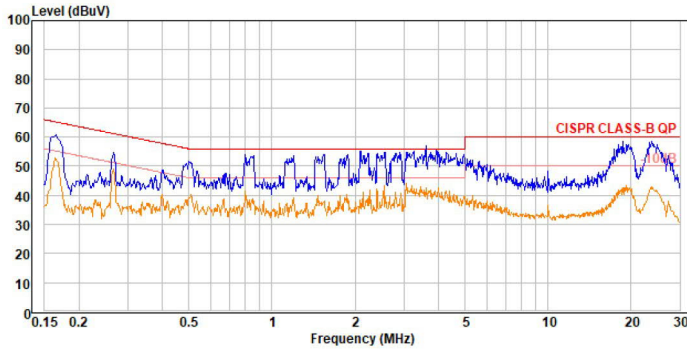
C1: 20V / Div C3: 200V / Div X: 20ms / Div
Typical Hold-Up Characteristic
Vin=115VAC; Full Load



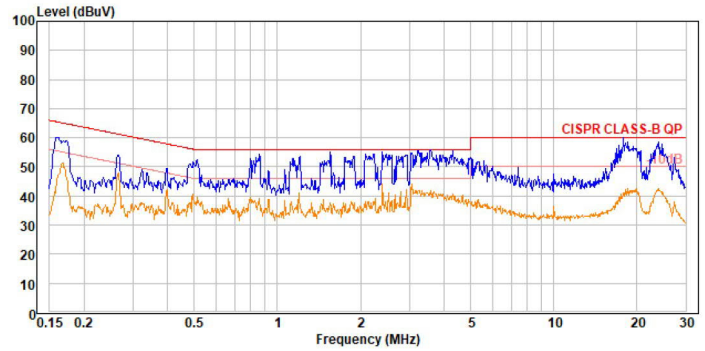
C1: 20V / Div C3: 200V / Div X: 20ms / Div
Typical Hold-Up Characteristic
Vin=230VAC; Full Load

Characteristic Curves (Continued)

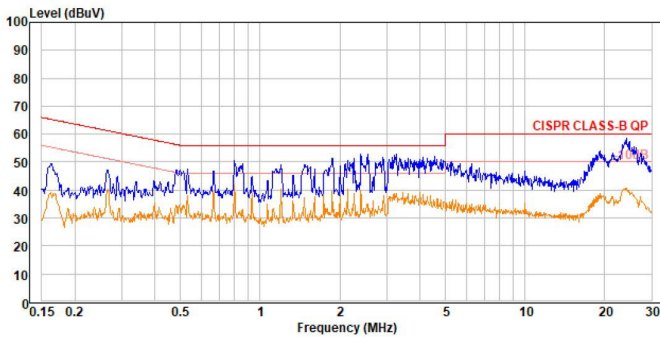
All test conditions are at 25°C. The figures are identical for XTBF500US54



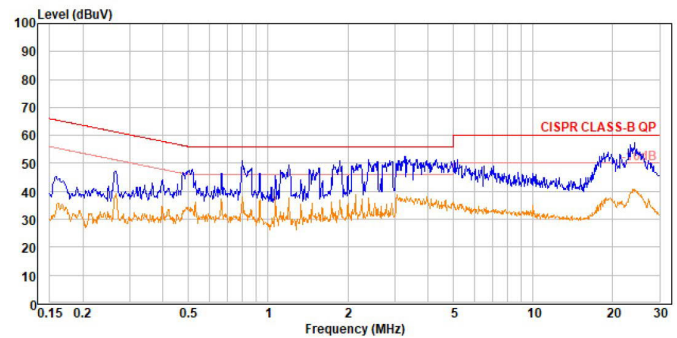
Blue Line: Peak
Orange Line: AVG
Conduction Emission of EN55032 Class B
Vin=115VAC; Full Load; LINE



Blue Line: Peak
Orange Line: AVG
Conduction Emission of EN55032 Class B
Vin=230VAC; Full Load; LINE



Blue Line: Peak
Orange Line: AVG
Conduction Emission of EN55032 Class B
Vin=115VAC; Full Load; NEUTRAL



Blue Line: Peak
Orange Line: AVG
Conduction Emission of EN55032 Class B
Vin=230VAC; Full Load; NEUTRAL