

# PUSH-PULL ISOLATION TRANSFORMER ST764 SERIES

## Features

- Low profile and small size
- Designed to comply with IEC 62368
- RoHS compliant

## Applications

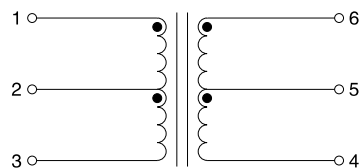
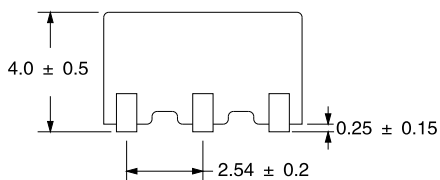
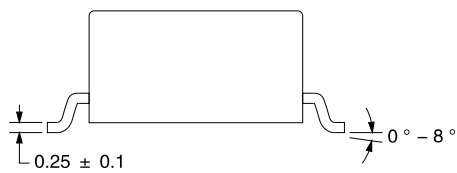
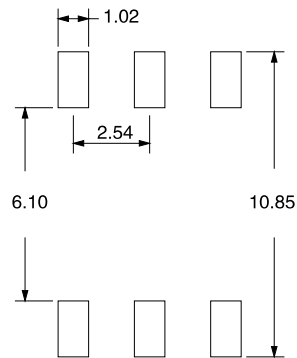
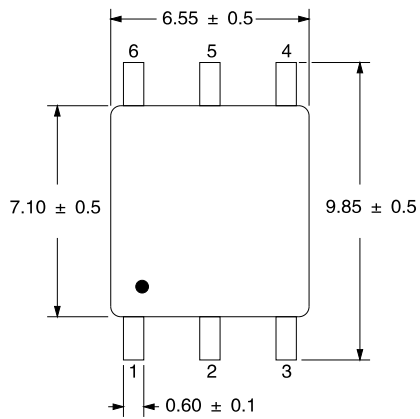
- Isolated RS-485/RS-232 power supplies
- Industrial automation
- AC motor drives
- Smart metering
- Solar inverters



## ELECTRICAL CHARACTERISTICS:@25°C

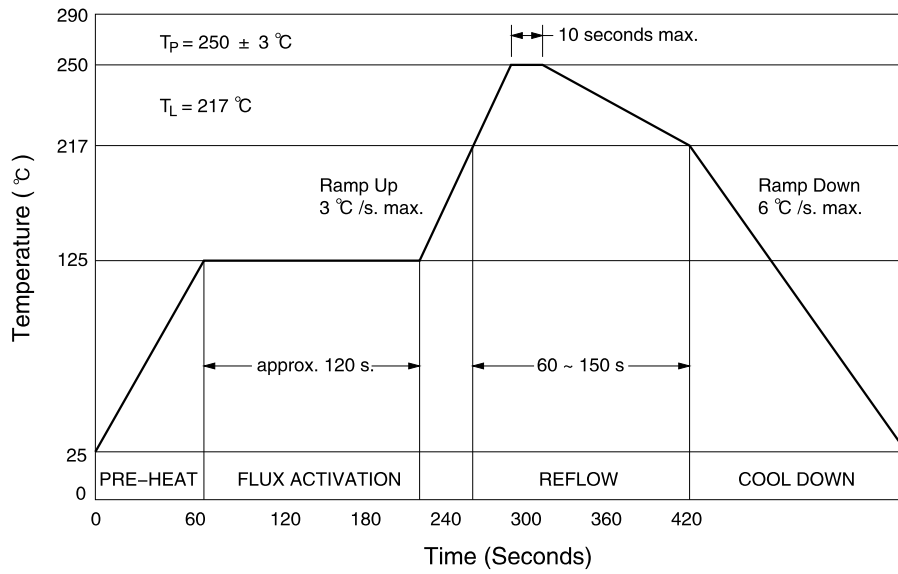
Part Number	Primary Inductance @ 100 kHz / 0.1 V ± 10%(uH)	Turns Ratio	Volt Microseconds Max. V-uS	DCR Max. (m Ω )	DCR Max. (m Ω )	Isolation Voltage (Volts RMS)
	(1-3)	(1-3) : (6-4)	(1-3)	(1-3)	(6-4)	(1-3) : (6-4)
ST764117	475	1:1.7	11	650	900	3100
ST764120	475	1:2	11	650	1000	3100
ST764111	475	1:1.1	11	650	700	3100
ST764113	475	1:1.3	11	650	800	3100

## PHYSICAL CHARACTERISTICS:(mm) LAYOUT:



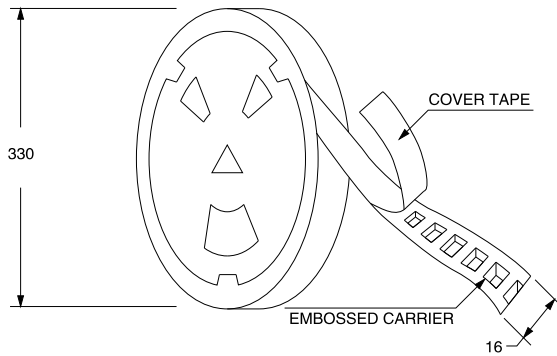
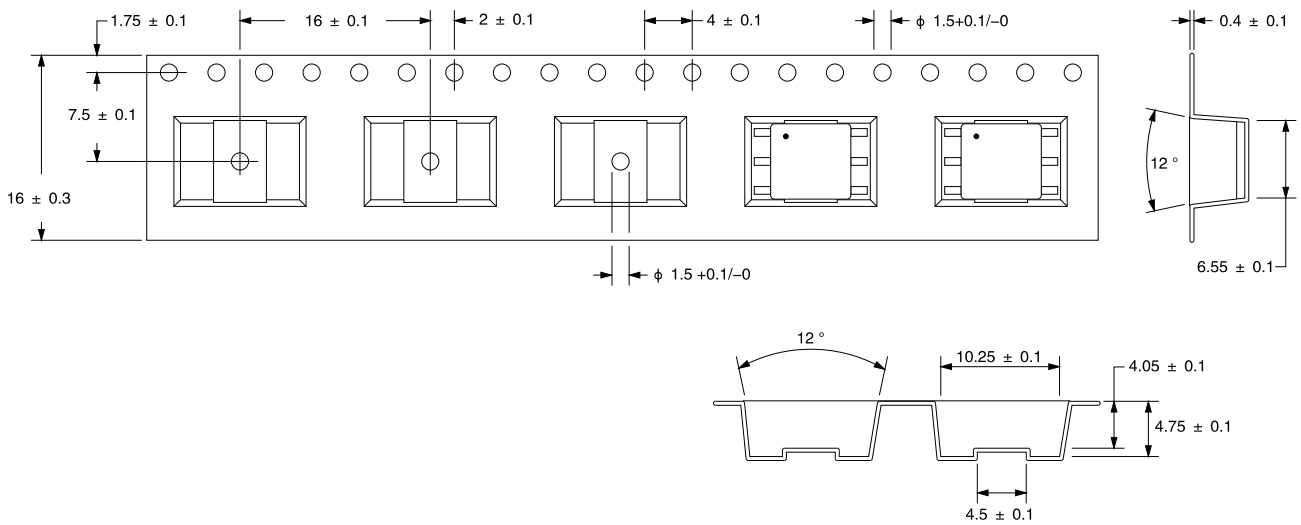
Operating Temperature .....-40 °C to +125 °C  
 Storage Temperature (with packaging) .....-10 °C to +40 °C  
 Storage Temperature (without packaging) .....-40 °C to +125 °C  
 Current Rating .....350 mArms  
 HI-POT Pri / Sec .....3100 VAC / 1 mA / 2 s  
 Level of Insulation.....Functional insulation for a working voltage of 400 Vrms  
 per IEC 62368

**SOLDERING PROFILE:**



Time within 5 °C of actual Peak Temperature (tp) .....20 ~ 40 s.  
 Ts min. ....150 °C  
 Ts max. ....200 °C  
 Ts min. to Ts max. ....60 ~ 180 s.  
 25 °C to Peak Temperature .....8 minutes max.

**PACKAGING SPECIFICATIONS:(mm)**



800 pcs. per 13-inch reel