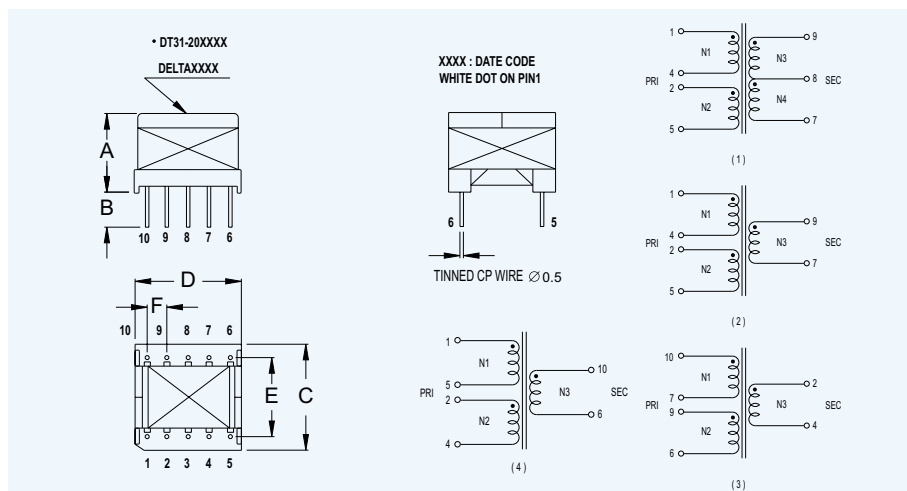




Telecommunication HDSL Transformer Transformers

DT31-2014AT
DT31-2015AT
DT31-2017AT
DT31-2018AT



DIMENSIONS IN mm

A	B	C	D	E	F	G
12.7 MAX.	2.79 MIN.	14.0 MAX.	14.0 MAX.	10.16 ± 0.3	2.54 ± 0.3	

ELECTRICAL CHARACTERISTICS				
	DT31-2014AT	DT31-2015AT	DT31-2017AT	DT31-2018AT
T.R	(PRI:SEC): 1:1 $\pm 1\%$ @10KHz 0.1V	(PRI:SEC): 2:1 $\pm 1\%$ @10KHz 0.1V	(PRI:SEC): 2:1 $\pm 1\%$ @10KHz 0.1V	(PRI:SEC): 2:1 $\pm 1\%$ @10KHz 0.1V
L	PRI: 4.5mH $\pm 5\%$ @10KHz 0.1V, I _{dc} =70mA	PRI: 3.5mH $\pm 5\%$ @10KHz 0.1V, I _{dc} =120mA	PRI: 5.0mH $\pm 10\%$ @10KHz 0.1V, I _{dc} =100mA	PRI: 8.0mH $\pm 6\%$ @10KHz 0.1V, I _{dc} =60mA
L.K	PRI: 30uH Max. @100KHz 0.1V	PRI: 30uH Max. @100KHz 0.1V	-----	-----
D.C.R	N1: 1.47 $\Omega \pm 10\%$ N2: 1.47 $\Omega \pm 10\%$ N3: 1.00 $\Omega \pm 10\%$	N1: 1.07 $\Omega \pm 15\%$ N2: 1.07 $\Omega \pm 15\%$ N3: 0.86 $\Omega \pm 15\%$	PRI: 3.5 Ω Max. SEC: 2.2 Ω Max.	PRI: 4.0 Ω Max. SEC: 2.3 Ω Max.
HI-POT	1500 VAC 1 SEC	1500 VAC 1 SEC	1500 VAC 1 SEC	1500 VAC 1 SEC
C	-----	-----	-----	-----
I.L	0.4 dB Max. @40KHz	0.5 dB Max. @40KHz	0.43 dB Max. @40KHz	0.5 dB Max. @40KHz
L.B	53dB Min. @50KHz~200KHz	53dB Min. @33KHz~110KHz	53dB Min. @500Hz~150KHz	53dB Min. @500Hz~150KHz
FR	± 0.1 dB @20KHz~110KHz	± 0.1 dB @33KHz~110KHz	± 0.1 dB @20KHz~80KHz	-----
R.L	16 dB Min. @20KHz~110KHz	17 dB Min. @33KHz~110KHz	17 dB Min. @20KHz~80KHz	16 dB Min. @9KHz~40KHz
T.H.D	-70 dB Max. @5KHz	-70 dB Max. @20KHz 4.5Vp-p	-70 dB Max. @20KHz 4.5Vp-p	-70 dB Max. @20KHz 4.5Vp-p
SCHEMATIC	2	3	2	2

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