



T1/E1/CEPT/ISDN-Pri Transformer

Models Match To Leading Transceiver IC's
Reinforced Isolation Voltage Of 3000Vrms
Single Through Hole Packages
For T1 / CEPT Line Interface
For RoHS part, add suffix -R

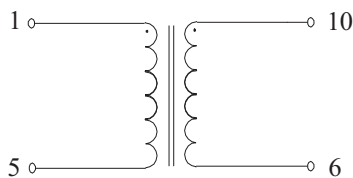
ELECTRICAL SPECIFICATIONS @ 25°C (Operating Temperature : 0 to 70°C)

Part	Turns Ratio	Primary	Open CCT Inductance	Interwinding Capacitance	Leakage Inductance	DCR (Ω max)		Schematic
Number	+/-5%	Pins	OCL(mH min)	Cw/w (pF max)	L/L (μ H min)	Pri	Sec	/Package
N10101DB N10101DB-R	1 : 1	1-5	1.20	20	0.5	0.5	0.5	S1/TH1
N10102DB N10102DB-R	1 : 0.5 : 0.5	10-6	0.80	30	0.7	0.5	0.4	S2/TH1
N10103DB N10103DB-R	1 : 1 : 1.26	10-6	1.50	35	0.6	0.7	1.1	S3/TH1
N10104DB N10104DB-R	1 : 1.36CT	10-6	1.20	35	0.6	0.7	0.9	S3/TH1
N10105DB N10105DB-R	1CT : 2CT	1-5	1.20	25	0.55	0.5	0.9	S4/TH1
N10106DB N10106DB-R	1CT : 3CT:1	1-3	0.60	30	0.8	0.8	1.2	S5/TH1
N6101DB N6101DB-R	1CT : 1CT	1-3	22.0	100	5.0	2.4±25%		S6/TH2
N6102DB N6102DB-R	1CT : 2CT	1-3	22.0	100	15	2.50±25%	4.30±25%	S6/TH2
F0050	1:1	10-6	1.50	35	0.6	0.7	1.1	S3/TH1
F0050-R	1:1.26							
F0051	1:1.58	10-6	1.50	38	0.6	0.7	1.4	S3/TH1
F0051-R	1:2							

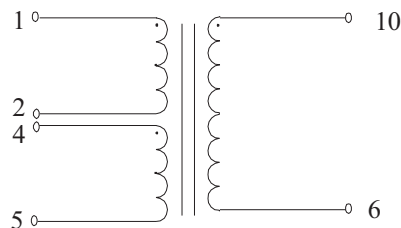
*Open Cct Inductance are measured at the Primary Winding.
 Leakage Inductance are measured at the Primary winding with all other Pin shorted
 Turns Ratio is specified Primary : Secondary*

SCHEMATICS

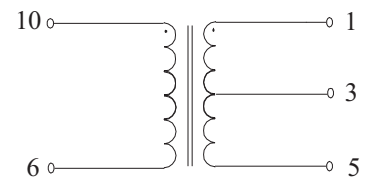
S1



S2



S3



N10103DB:
 (356)

Specifications Subject To Change Without Notice

TAIWAN
 TEL: 00886-3-3310896
 FAX: 00886-3-3310865

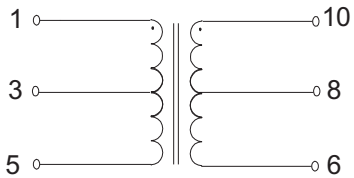
DONGGUAN
 TEL: 086-769-86761589
 FAX: 086-769-86761549



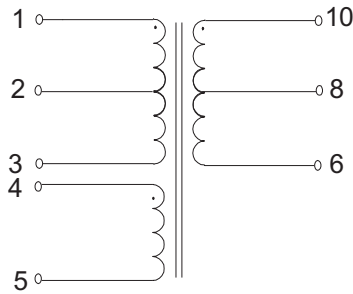
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SCHEMATICS

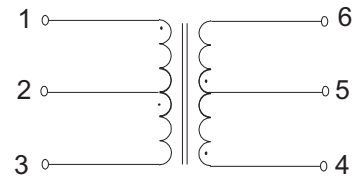
S4



S5

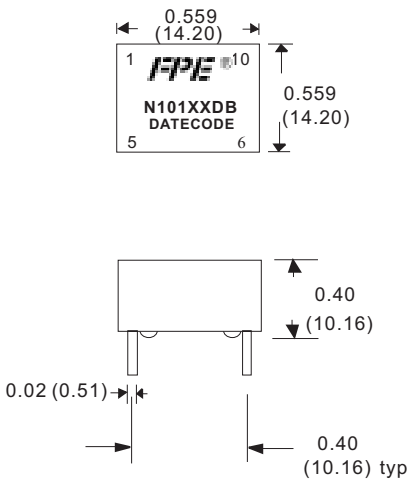


S6

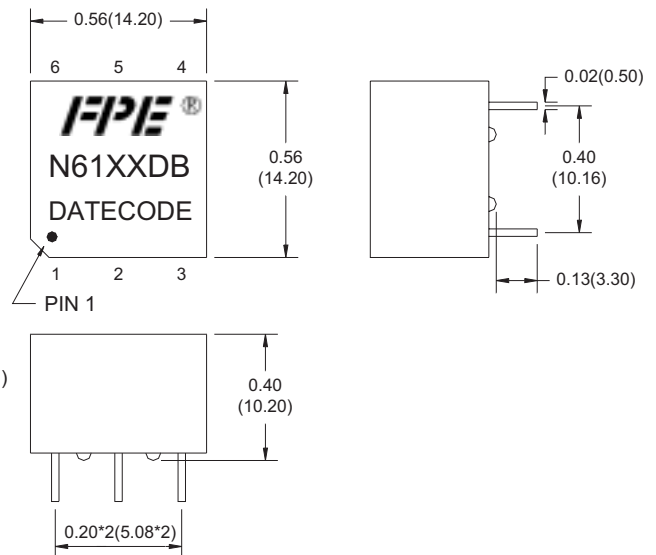


MECHANICAL SPECIFICATIONS

TH 1



TH 2



DIMENSIONS : INCHES/(mm) UNLESS OTHERWISE SPECIFIED ALL TOLERANCES ARE ± 0.010(0.25).

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