

MT-49000 SERIES

SHDSL/HDSL2/HDSL4 Transformers

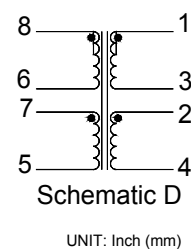
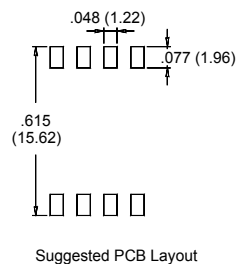
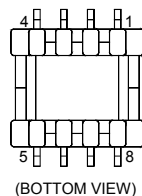
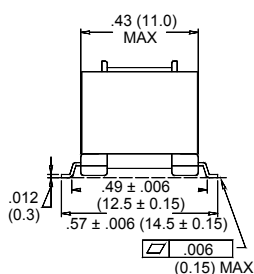
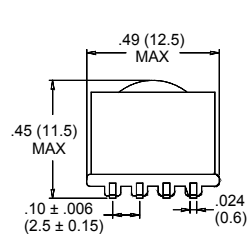
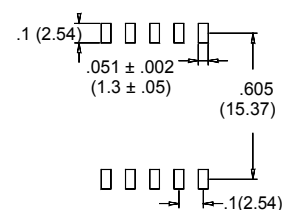
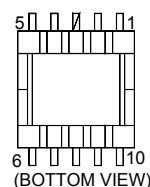
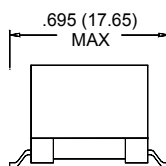
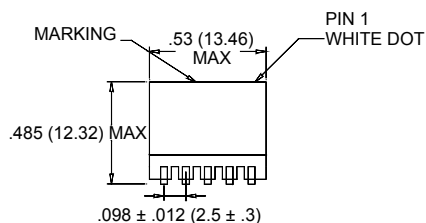
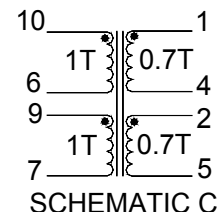
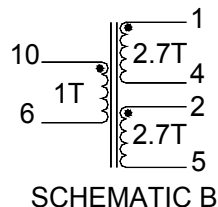
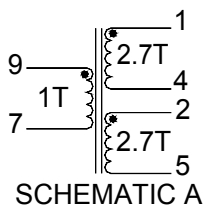
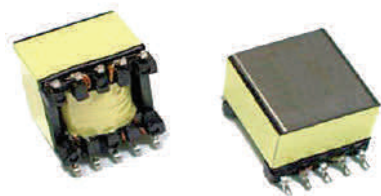
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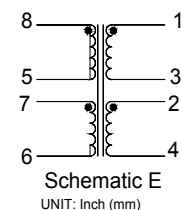
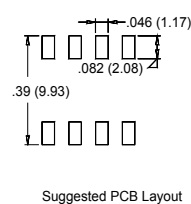
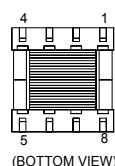
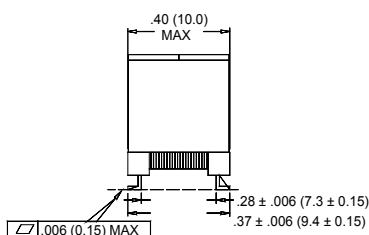
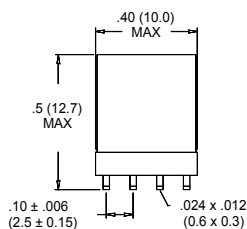


Phone: 1.605.884.0195
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Mechanical Dimensions:



UNIT: Inch (mm)



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MT-49000 SERIES

- Matched to Globespan Virata for CO or CP Selectable SHDSL chipset-G2237
- Designed to meet IEC60950 supplementary insulation requirements at 250V working voltage
- Operating Temperature Range: -40°C ~ +85°C

Specifications	MT-49001	MT-49002	MT-49002A	MT-49003	MT-49003A	Unit
Reflects on PRI =	135	135	135	135	135	ohms
Reflects on SEC =	4.6	4.6	4.6	275.5	275.5	ohms
DC Resistance 20°C PRI max	4.2	4.0	5.2	9.0	9.0	ohms
SEC max	0.35	0.52	0.68	22.0	22.0	
Insertion Loss at 100 KHz	0.52 max	0.70 max	0.75 max	1.5 max.	1.5 max	dB
Return Loss at 20 KHz	14 min	14 min.	14 min			dB
40K to 500KHz	16 min	15 min.	15 min			
Dielectric Test PRI-SEC	1500	1500	1500	1500	1500	V AC
Direct Current PRI max	100	20	20	20	20	mA DC
Turns Ratio PRI:SEC ±2%	5.4:1	5.4:1	5.4:1	0.7:1	0.7:1	
Longitudinal Balance 20 K to 500HKz	55 min	55 min.	55 min	45 min	45 min	dB
Total Harmonic Dist 5KHz 4Vrms 2Vrms	-79 max	-78 max.	-78 max	-82 max	-82 max	dB
Inductance 10KHz 0.1Vrms	2.82-3.18	3.00-3.40	3.00-3.40	3.00-3.50	3.00-3.50	mHy
Interwinding Capacitance 100KHz 0.1Vrms	160.0 max	150.0 max	150.0 max	100.0 max	100.0 max	pF
Leakage Inductance 100KHz 0.1Vrms	15.0 max	16.0 max	20.0 max	15.0 max	15.0 max	uHy
Schematic	A*	D	B	E	C	—

* UL 60950 Construction E211939