

# HALO SMD High Density Dual Port T-1/E-1 Modules

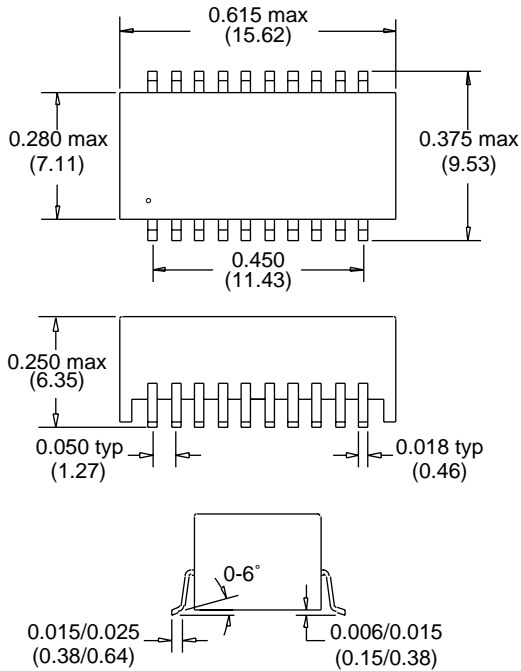
HALO ELECTRONICS, INC.

HALO Electronics has developed this standard series of high density Dual Port SMD Line Interface Modules to meet the isolation and impedance matching requirements for T1, E1, CEPT and PRI ISDN applications. UL1950, IEC950 and EN60950 recognized.



SMD High Density Dual Port  
T-1/E-1 Modules

### NM5 Package

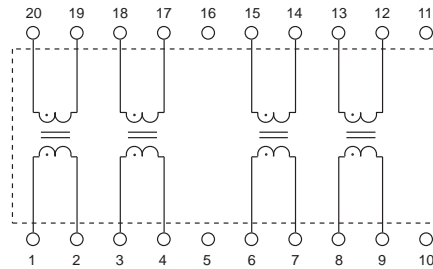


DIMENSIONS : Inch(mm)  
CO-PLANARITY : 0.004(0.102)

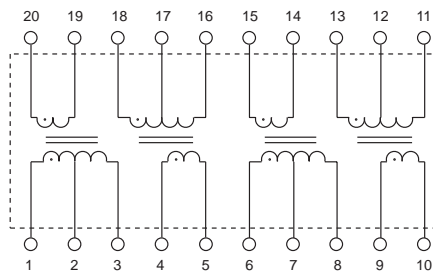
Patented Construction

US Patent Nbrs: 5,656,985 6,297,721 B1  
6,297,720 B1 6,320,489 B1  
6,344,785 B1

### Schematic A



### Schematic B



### Electrical Specifications @ 25°C

Isolation Voltage: 1,500 Vrms  
Leakage Inductance: 0.5µH Max.  
DCR (PRI): 0.80Ω Max.  
Cw/w: 35pF Max.  
Crosstalk (0.1-10MHz): 60dB Typ.  
Operating Temp: 0 to 70C

Part Number	Schematic	Turns Ratio PRI : SEC	PRI OCL (mH typ)	Primary Pins
TG05-1205NM5	A	1:2	1.2	1-2, 3-4, 6-7, 8-9
TG07-1205NM5	B	1:2CT & 1:2CT	1.2	20-19, 15-14 & 4-5, 9-10
TG23-1205NM5	A	1:2.42	1.2	1-2, 3-4, 6-7, 8-9
TG25-1205NM5	A	1:1.26	1.2	1-2, 3-4, 6-7, 8-9
TG27-S003NM5	B	1:2CT & 1:1.36CT	1.2	20-19, 15-14 & 4-5, 9-10
TG36-1205NM5	A	1:1.15 & 1:1	1.2	1-2, 6-7 & 18-17,13-12
TG37-1205NM5	B	1:1.14CT	1.2	20-19, 4-5, 15-14, 9-10
TG39-1205NM5	A	1:1.15	1.2	1-2, 3-4, 6-7, 8-9
TG42-1205NM5	A	1:√2	1.2	1-2, 18-17, 6-7, 13-12
TG49-1205NM5	B	1CT:2 & 1:2CT	1.2	1-3, 6-8 & 4-5, 9-10
TG83-1205NM5	A	1:2 & 1:1	1.2	1-2, 6-7 & 18-17, 13-12
TGSP-S125NM5	A	1:2.4 & 1:1	1.2	1-2, 8-9 & 3-4, 6-7