



MODEM Transformer< SMD Type: CBM Series>

Type: CBM103

Product Description

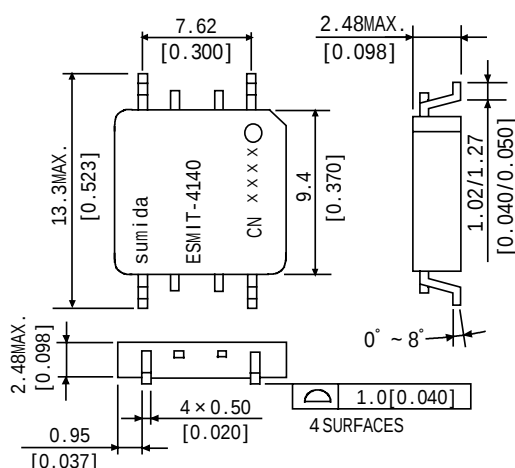
- 10.0 × 9.4mm TPY.(L × W),2.48mm Max. Height.
- Operating frequency: 4MHz Max.

Feature

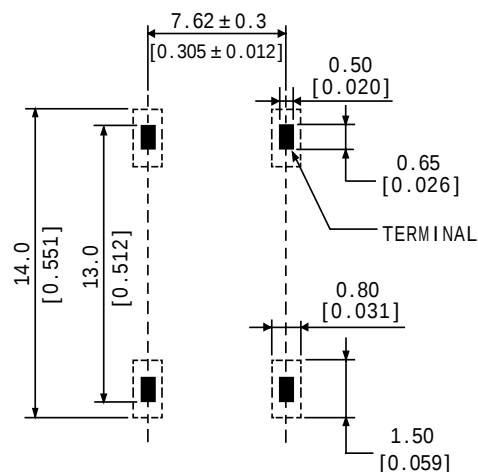
- Digital TV's Modem transformer.
- Ideally used for the Conexant Smart DAA™.
- RoHS Compliance.



Dimensions (mm)

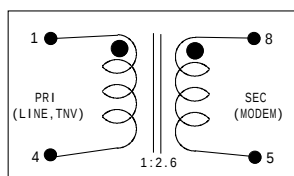


Land Pattern (mm)



Schematics(Bottom)

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Specification(Part Number:ESMIT-4140)

Electrical parameters	Min.	Typ.	Max.	Units
Inductance of primary(1-4),Ls(Secondary open , @100kHz,1Vrms Osc.)	40	60	—	μH
Inductance of primary(1-4),Ls(Secondary open , @4.0MHz,1Vrms Osc.)	7	10	—	μH
Winding-to-winding capacitance,@1MHz(C _{ww})	—	4.0	10	pF
Self-resonant frequency(f _R)	—	6.0	—	MHz
Turns ratio (1-4):(8-5)	—	1:2.6	—	N/A
DC resistance of primary @25 (1-4),R _{DCPRI}	—	—	0.25	Ω
DC resistance of secondary @25 (5-8), R _{DCSEC}	—	—	0.45	Ω
Dielectric rating	3750V AC for 1 second between terminals (1-8)			