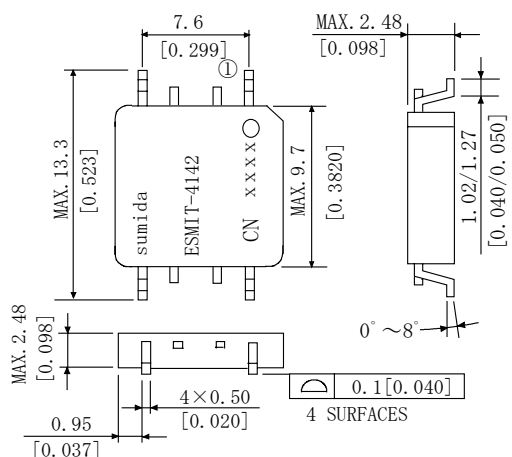
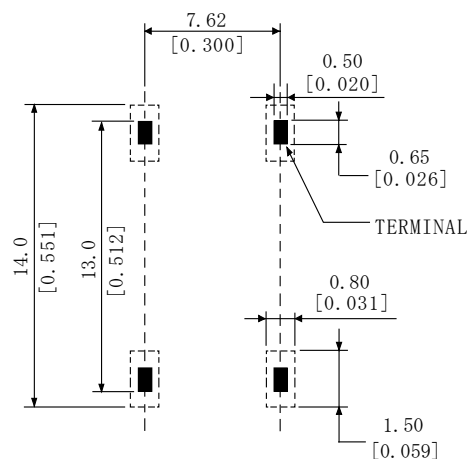
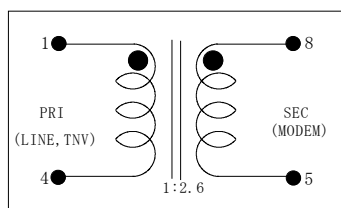


**Type: CBM103B**
**◆ Product Description**

- 10.4×9.7mm Max.(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)**

**◆ Specification(Part Number:ESMIT-4142)**

	MIN.	TYP.	MAX.	UNITS
Inductance of primary(1-4),Ls(Secondary open , @ 100kHz,1Vrms Osc.)	40	60	---	μ H
Inductance of primary(1-4),Ls(Secondary open , @ 4.0MHz,1Vrms Osc.)	---	8.4 (REF.)	---	μ H
Winding-to-winding capacitance,@ 1MHz(C <sub>ww</sub> )	---	4.0	10	pF
Self-resonant frequency(f <sub>R</sub> )	---	9.0	---	MHz
Turns ratio (1-4):(8-5)	---	1:2.6	---	N/A
DC resistance of primary @ 25°C(1-4),R <sub>DCPRI</sub>	---	---	0.25	Ω
DC resistance of secondary @ 25°C(5-8), R <sub>DCSEC</sub>	---	---	0.45	Ω
Dielectric rating	3750V AC For 1 Second between terminals (1-8)			