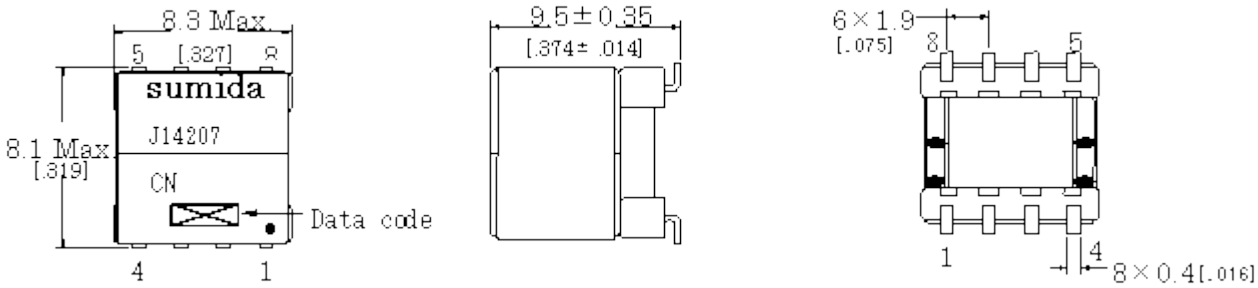
Transformer for BCM6524

CEP710B

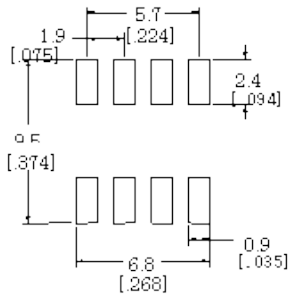
Descriptions

- Size (Max.):L×W×H 8.1×8.0×9.85mm
- Custom design is available.
- VDSL line transformer.
- Ideally used in VDSL/VDSL2 CO equipments.
- Approved by Broadcom (BCM6511/6526, BCM6516/6524) and Alcatel.
- RoHS Compliance
- Sumida Type name : CEP710B

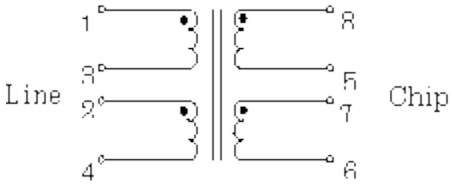
Dimensions (mm)



Land patterns (mm)



Schematic (Bottom View)



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Ver.0.0 (October 20, 2017)

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Electrical characteristics

Part No.	Item	Inductance (1-4)	Leakage Inductance (1-4)	Turns ratio (T/R) (1-4): (8-6)	Total Harmonic Distortion (THI)	Inter winding capacitance Cww (1-8)
J14214	Specifications	420μH ±10% within	Max. 1.3μH	2 : 1 (±1%)	Max. -60dB	Max.40pF
	Testing conditions	10kHz 0.1V Tie(2+3)	1MHz, 0.1V, Tie [(2+3), (5+6+7+8)]	100kHz, 0.1Vrms, Tie[(2+3), (5+7)]	30kHz 3.0Vrms	100kHz 0.1V Tie[(2+3), (5+7)]

Part No.	Item	Longitudinal Balance (LB)			D.C.R. (8-6)	D.C.R. (1-4)
J14214	Specifications	Min.44dB	Min.40dB	Min.30dB	Max.0.45Ω	Max.1.7Ω
	Testing conditions	12MHz, Tie (2+3), (5+7) Grounded	17MHz, Tie (2+3), (5+7) Grounded	30MHz, Tie (2+3), (5+7) Grounded	Tie (5+7)	Tie (2+3)

Part No.	Item	Hi-pot (1-2)	Hi-pot (1-8)
J14214	Specifications	Min.750Vrms	Min.1,875Vrms.
	Testing conditions	Max.0.5mA, 1sec.	Max.0.5mA, 1sec. Tie [(2+3), (5+7)]

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