



- Transformers and Inductors for use with Alcatel's Dynamite ADSL chipset
- For Central Office and Customer Premise Applications

Electrical Specifications @ 25°C — Operating Temperature -40°C to 85°C

Part Number	Alcatel Part No.	Inductance (μH)	Turns Ratio (±2%)	DCR (Ω MAX)	Hi-Pot (Vac)	Application
B2061	1AB 01965 0027	(6-2) 282.5 ±5%	1:1 ±2%	(6-2)=(3-5) 1.00	500	Coupled Inductor - CPE ³
B2062	1AB 01965 0026	(6-2) 238.5 ±5%	1:1 ±2%	(6-2)=(3-5) 0.76	500	Coupled Inductor - CPE
B2090	1AB 01897 0017	(3-7) 7680 MIN	(2-6)/(3-7)=1.65	(1-6)=(2-1) 1.00	500	Hybrid Transformer - CPE
			(3-7)/(4-8)=2.00	(3-7) 1.80		
			(2-1)/(1-6)=1.00	(4-8) 0.75		
B2091	1AB 01897 0018	(3-7) 844 MIN	(2-6)/(3-7)=1.125	(1-6)=(2-1) 0.20	500	Hybrid Transformer - CO ⁴
			(3-7)/(4-8)=2.00	(3-7) 0.19		
			(1-6)/(3-7)=1.125	(4-8) 0.11		
B2098	1AB 02126 0130	(2-12) 441.5 ±5%	(2-12)/(8-6)=1.00	(2-11)=(1-12) 0.58	2000	Transformer - CPE
			(2-11)/(1-12)=1.00	(8-5)=(7-6) 0.50		
			(8-5)/(7-6)=1.00	—		
B2099	1AB 02363 0016 ¹	(1-3) 500.5 ±5%	(4-6)/(1-3)=1.00	(4-6)=(1-3) 2.10	500	Coupled Inductor - CO/CPE
B2100	1AB 02363 0017 ²	(1-3) 91.0 ±10%	(4-6)/(1-3)=1.00	(4-6)=(1-3) 0.85	500	Coupled Inductor - CO
B2101	1AB 06932 0017	(2-6) 96.0 ±5%	—	(2-6) 0.42	500	Inductor - CO
B2102	1AB 02126 0113	(2-12) 409.5 ±5%	(2-12)/(8-6)=2.00	(2-11)=(1-12) 0.32	2000	Transformer - CO
			(2-11)/(1-12)=1.00	(8-5)=(7-6) 0.19		
			(8-5)/(7-6)=1.00	—		

¹ Formerly Alcatel part number 1AB 07111 0008

² Formerly Alcatel part number 1AB 07111 0007

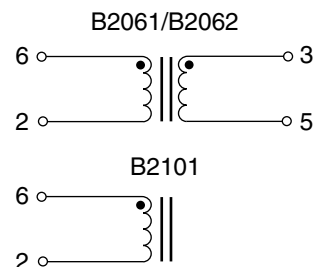
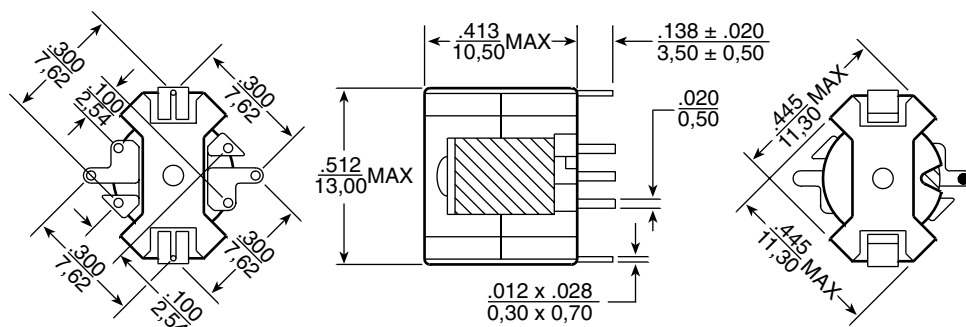
³ CPE - Customer Premise Equipment

⁴ CO - Central Office

Mechanical

Schematic

B2061/B2062/B2101



Weight 2.5 grams

Tray75/tray

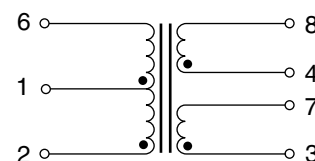
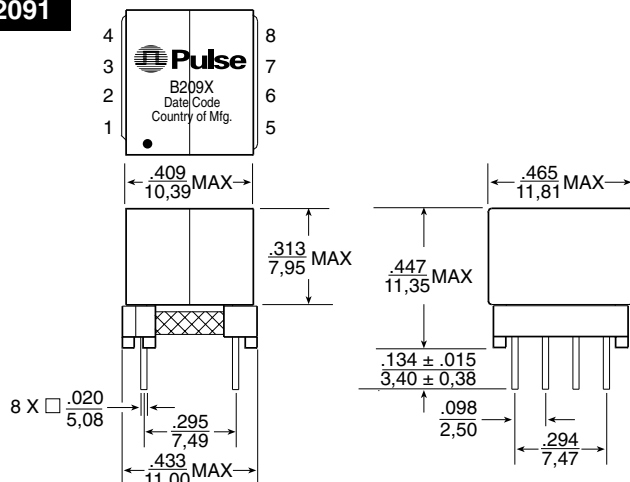
Dimensions: $\frac{\text{Inches}}{\text{mm}}$

Unless otherwise specified, all tolerances are $\pm \frac{.010}{0.25}$

Mechanicals

Schematics

B2090/B2091



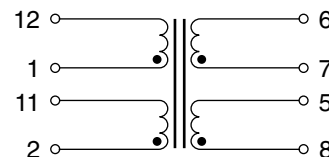
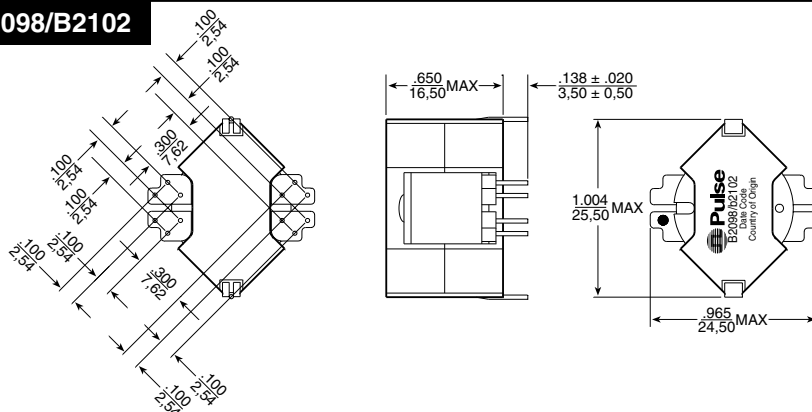
Weight 3.6 grams

Tray75/tray

Dimensions: $\frac{\text{Inches}}{\text{mm}}$

Unless otherwise specified, all tolerances are $\pm \frac{.010}{0.25}$

B2098/B2102



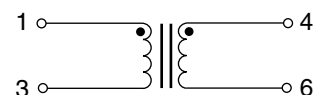
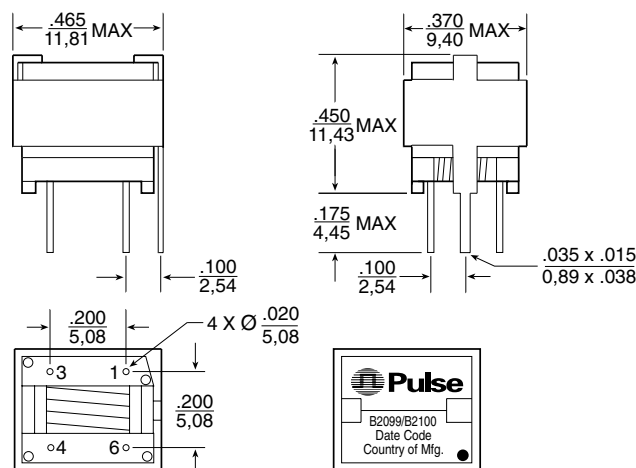
Weight 14.4 grams

Tray56/tray

Dimensions: $\frac{\text{Inches}}{\text{mm}}$

mm
Unless otherwise specified, all tolerances are $\pm \frac{.010}{0.25}$

B2099/B2100



Weight 2.3 grams

Tray80/tray

Dimensions: $\frac{\text{Inches}}{\text{mm}}$

mm
Unless otherwise specified, all tolerances are $\pm \frac{.010}{0.25}$

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