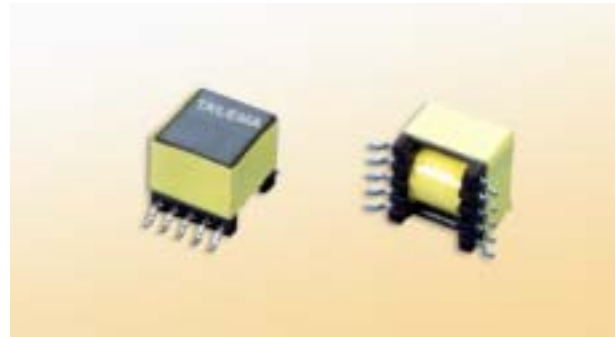




## EPU Series - U Interface Transformers

### Features

- compatibility with common transceiver IC's ensures maximum loop length
- complies with ANSI standard T1.601 when used with recommended chip
- 1500V minimum isolation
- all materials approved to UL94V-0
- excellent quality at competitive price due to high volume production
- manufactured in ISO-9001 approved Talema facility
- operating temperature: -40°C to +85°C



Talema has designed a cost effective range of U Interface transformers for 2B1Q and 4B3T applications for equipment transmission between customer premises and exchanges. The transformers meet all requirements of recognized U Interface IC's and ANSI standard T1.601 with a highly reliable pulse shape and return loss performance.

### Electrical Specifications @ 25°C

Turns Ratio: **Bold** = IC Side Windings

EPU Series - U Interface Transformers									
Part Number	Lo ±8% mH	Turns Ratio ±2% Line : IC	I <sub>DC</sub> mA	DCR Line Ohms Nom.	DCR IC Ohms Nom.	L <sub>L</sub> Line Side µH Max.	C <sub>C</sub> pF Nom.	V <sub>P</sub> (Vrms)	Schematic
EPU-100A	16.0	1.65 : 1	60	8.4	5.2	80	45	1500	A
EPU-100B	16.0	1.65 : 1	60	8.4	5.2	80	45	1500	B
EPU-110B	14.5	1.25 : 1	60	8.2	6.7	70	50	1500	B
EPU-120A	7.9	1.32 : 1	60	5.3	4.1	60	45	1500	A
EPU-120B	7.9	1.32 : 1	60	5.3	4.1	60	45	1500	B
EPU-200A	6.15	1.6 : 1	60	3.6	2.3	40	40	1500	A
EPU-300B	28.0	1.25 : 1	60	19.5	16.0	150	60	1500	B
EPU-300D	28.0	1.25 : 1	60	19.5	16.0	150	60	1500	D
EPU-400B	16.0	2 : 1	60	8.4	4.3	80	50	1500	B
EPU-400C	16.0	2 : 1	60	8.4	4.3	80	50	1500	C

IC - U Interface Cross Reference		
IC Manufacturer	IC Part Number	Talema Part Number
Infineon	PEB 8091 / 8191	EPU-100B
	PEB 24902 / 24911	EPU-100B
	PSB 21910 / 21911	EPU-100B
	PEB 2491 (2B1Q)	EPU-110B
	PEB20901	EPU-120A
	PEB2090 (4B3T)	EPU-120B
Motorola	MC145572 (2B1Q)	EPU-300B
		EPU-300D
Mietec	MTC20278 IL TQ (2B1Q)	EPU-400B
	MTC20279 IL TQ (4B3T)	EPU-200A
	MTC20276	EPU-400C

