



## Inductors: ISDN/x/DSL Transformers

**Series/Type:**        **B78475**

The following products presented in this data sheet are being withdrawn.

Ordering Code	Substitute Product	Date of Withdrawal	Deadline Last Orders	Last Shipments
B78475P1562A002		2003-08-01	2003-09-30	2003-12-31
B78475P1561A002		2003-08-01	2003-09-30	2003-12-31
B78475P1563A002		2003-08-01	2003-09-30	2003-12-31

For further information please contact your nearest EPCOS sales office, which will also support you in selecting a suitable substitute. The addresses of our worldwide sales network are presented at [www.epcos.com/sales](http://www.epcos.com/sales).

### Construction

- Two S<sub>0</sub> interface transformers (transmitter/receiver) in one case
- Additional quad chokes

### Application

- NT, peripheral devices (telephone, fax, modems)
- For all leading semiconductor manufacturers (refer to reference list)

### Features

- Low space due to compact construction
- Low logistic effort
- Simple and fast assembly

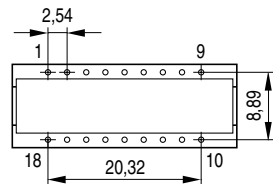
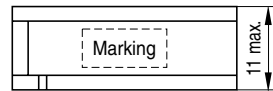
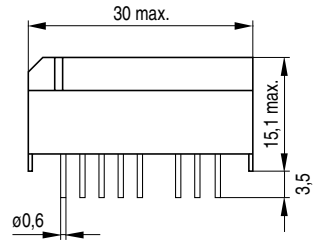
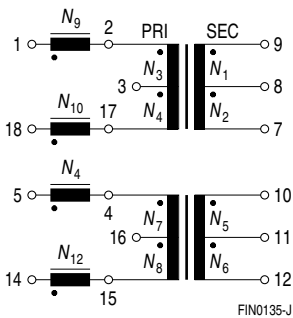
### Marking

- Manufacturer, middle block of ordering code, date code

### Packing

- Stick magazine
- Packing unit: 2006 pcs.

### Pinning



FIN0132-L

**Technical data** (electrical specifications at 25 °C)

(electrical specifications at 25 °C)

Ordering code		B78475P1561A002	B78475P1562A002	B78475P1563A002
Turn ratio (± 1 %)	N3:N4:N1:N2	1 : 1 : 2,5 : 2,5	1 : 1 : 2 : 2	1 : 1 : 1 : 1
	N7:N8:N5:N6	1 : 1 : 2,5 : 2,5	1 : 1 : 2 : 2	1 : 1 : 1 : 1
	N9:N10:N11:N12	1 : 1 : 1 : 1	1 : 1 : 1 : 1	1 : 1 : 1 : 1
$L_H$ (min.)	mH	30	30	30
Choke $L$ (min.)	mH	5,0	5,0	5,0
$L_S$ (max.)	μH	5,0	5,0	5,0
Choke $L_S$ (max.)	μH	0,5	0,6	0,6
$C_K$ (max.)	pF	150	150	150
$R_{DC (Line)}$ (typ.)	Ω	1,6	1,4	1,6
$R_{DC (IC)}$ (typ.)	Ω	6,0	4,6	1,6
$R_{DC}$ (max.)	Ω	1,1	1,1	1,1
$\Delta I_{DC}$ (typ.)	mA	5,0	5,0	5,0
HIPOT	$V_{rms}$	1500	2000	1500
Operating temperature range	°C	0 to 70		

## ISDN Transformers

### IC Reference List

#### IC reference list

The ISDN interface transformers from EPCOS are matched to semiconductors from various producers. Different versions – electrically and mechanically – are available.

#### S<sub>0</sub> interface modules

IC manufacturer	IC part number (ordering code)	EPCOS ordering code	Page
Alcatel Microelectronics	MTC 2072, 20276	B78475P1560A002	16
	MTC 20279, 20172, 20277, 20278	B78475P1562A002	18
AMD	AM 79C30A	B78475P1560A002	16
	AM 79C32A	B78475P1562A002	18
		B78475P1565A002	20
Cologne Chip Des.	HFC-S2BDS0	B78475P1560A002	16
		B78475P1562A002	18
Infineon	PEB/PSB 21150, 21381/2, 21383/4, 2154, 3081, 3086, 3186	B78475P1563A002	18
		B78475P1560A002	16
		B78475P1562A002	18
		B78475P1565A002	20
Intel	29C53AA	B78475P1561A002	18
		B78475P1564A002	20
Lucent	T 7234, 7250, 7252, 7256, 7259, 9000	B78475P1561A002	18
		B78475P1564A002	20
Mietec	MTC-2072	B78475P1560A002	16
		B78475P1562A002	18
		B78475P1565A002	20
Mitel	MT 8930, MT 8931	B78475P1560A002	16
		B78475P1562A002	18
		B78475P1565A002	20
Motorola	MC 145574, 145576	B78475P1561A002	18
		B78475P1564A002	20
National Semiconductor	TP 3420, 3421	B78475P1560A002	16
		B78475P1562A002	18
		B78475P1565A002	20
STM	ST 5420, 5421	B78475P1560A002	16
		B78475P1562A002	18
		B78475P1565A002	20
VLSI	VN S8000	B78475P1560A002	16
		B78475P1562A002	18

**Herausgegeben von EPCOS AG**

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