ISDN S- INTERFACE MODULES
SMALL SMT PACKAGE-EN60950/IEC950 DESIGNED

- The transmission pulse mask and impedance according to **ITU-T-I.430**
- Low or high frequency common mode choke option available
- Non-RoHS soldering peak temperature 230±5^{0}C IR Reflow.
- RoHS compliant soldering peak temperature 245^{0}C(+0/-5^{0}C) IR Reflow
- Operating temperature range -40^{0}C to +85^{0}C
- Storage temperature range -40^{0}C to +85^{0}C
- 4mA Idc Max. Permissible Unbalance DC Current
- Small package for saving space: L/W/H(inch)0.92"x0.55"x0.354"(23.2x14x9mm)
- 3.0KVrms, in according to EN60950/IEC950
- TUV Certificate NO. B041215587164
- UL Certificate NO. E185051

MODULES SELECTION GUIDE

Chip Manufacturer	Chip Designation	Dual Transformer	Module With 50uH CMC	Module With 100uH CMC	Module With 500uH CMC	Module With 5mH CMC
AMD	***AM79C30A/32A***	***UT20765-00TS***	***UT20765-05TS***	***UT20765-10TS***	***UT20765-50TS***	***UT20765-5MTS***
Cologne Chip	***HFC-S/S+/SP(A) SPCI(A)***	***UT20765-00TS***	***UT20765-05TS***	***UT20765-10TS***	***UT20765-50TS***	***UT20765-5MTS***
Lucent	***T7234/T7250/ T7256/T7259***	***UT20768-00TS***	***UT20768-05TS***	***UT20768-10TS***	***UT20765-50TS***	***UT20765-5MTS***
	T7903	***UT20765-00TS***	***UT20765-05TS***	***UT20765-10TS***	***UT20765-50TS***	***UT20765-5MTS***
Mietec	***MTC-20172***	***UT20765-00TS***	***UT20765-05TS***	***UT20765-10TS***	***UT20765-50TS***	***UT20765-5MTS***
Mitel	***MT8930/8931***	***UT20765-00TS***	***UT20765-05TS***	***UT20765-10TS***	***UT20765-50TS***	***UT20765-5MTS***
Motorola	***MC145474/ 145475***	***UT20763-00TS***	***UT20763-05TS***	***UT20763-10TS***	***UT20763-50TS***	***UT20763-5MTS***
	MC145574	***UT20768-00TS***	***UT20768-05TS***	***UT20768-10TS***	***UT20768-50TS***	***UT20768-5MTS***
	MC145575	***UT20765-00TS***	***UT20765-05TS***	***UT20765-10TS***	***UT20765-50TS***	***UT20765-5MTS***
National	***TP3420/3421***	***UT20765-00TS***	***UT20765-05TS***	***UT20765-10TS***	***UT20765-50TS***	***UT20765-5MTS***
SGS Thomson	***ST5420/5421***	***UT20765-00TS***	***UT20765-05TS***	***UT20765-10TS***	***UT20765-50TS***	***UT20765-5MTS***
Infineon (Siemens)	***PEB2080-81/-84/-85/ -86/2186 PSB2115/2154***	***UT20765-00TS***	***UT20765-05TS***	***UT20765-10TS***	***UT20765-50TS***	***UT20765-5MTS***
	PEB20590/20591 PSB3081/-86/3186/ 21150 PSB21381-84SX	***UT20763-00TS***	***UT20763-05TS***	***UT20763-10TS***	***UT20763-50TS***	***UT20763-5MTS***
	PEB20590	***UT20763-00TS***	***UT20763-05TS***	***UT20763-10TS***	***UT20763-50TS***	***UT20763-5MTS***
Yamaha	***YM7405B***	***UT20765-00TS***	***UT20765-05TS***	***UT20765-10TS***	***UT20765-50TS***	***UT20765-5MTS***

1. CMC : Common Mode Choke
2. Various of choke inductance are available.

UNIVERSAL MICROELECTRONICS CO.,LTD. *3,27TH RD.,TAICHUNG INDUSTRIAL PARK,*
TEL:886-4-23590096 FAX:886-4-23590129 *TAICHUNG,TAIWAN,R.O.C*

ISDN S- INTERFACE MODULES
SMALL SMT PACKAGE-EN60950/IEC950 DESIGNED

ELECTRICAL SPECIFICATION @25°C:

MODEL NO.	Turns Ratio (Line:Chip) (±2%)	Line Side Inductance (mH min.)	Interwinding Capacitance (pf max)	Line Side Leakage Inductance (uH max)	DCR Line Side (Ω ±15%)	DCR Chip Side (Ω ±15%)
UT20763-**TS	1split:1split	30	20	12	3.3	1.9
UT20765-**TS	1split:2split	30	20	12	3.3	3.8
UT20768-**TS	1split:2.5split	30	20	12	3.3	4.8

MODEL NO.	Common mode choke									
	-00TS		-05TS		-10TS		-50TS		-5MTS	
	OCL (uH)	DCR (Ω max.)	OCL (uH)	DCR (Ω max.)	OCL (uH)	DCR (Ω max.)	OCL (uH)	DCR (Ω max.)	OCL (mH)	DCR (Ω max.)
UT20763-**TS	None		50	0.4	100	0.6	500	0.9	5.0	1.5
UT20765-**TS	None		50	0.4	100	0.6	500	0.9	5.0	1.5
UT20768-**TS	None		50	0.4	100	0.6	500	0.9	5.0	1.5

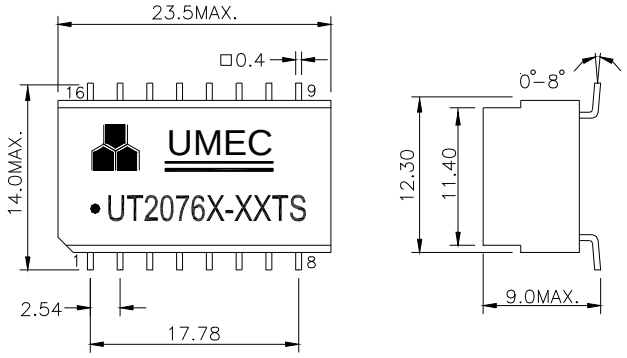
Test Condition:

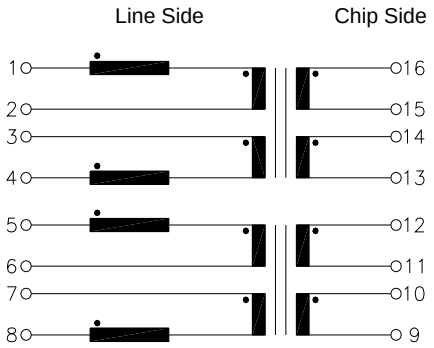
1. Inductance : Main Transformers 10KHz 100mVrms. CMC 100KHz 20mVrms.
2. Leakage Inductance & Interwinding Capacitance : 100KHz 100mVrms.
3. For RoHS compliant products, the Ordering Code: TG-Model No. ex. TG-UT20763-**TS

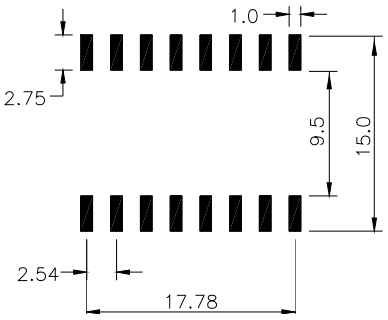
Green Product

Pb

PACKAGES & SCHEMATICS







Unit: mm
Tolerance:±0.25mm

*Specifications are subject to change without prior notice.

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