

POWER OVER ETHERNET (PoE) MAGNETICS 10/100BASE-TX VOIP MAGNETICS MODULES

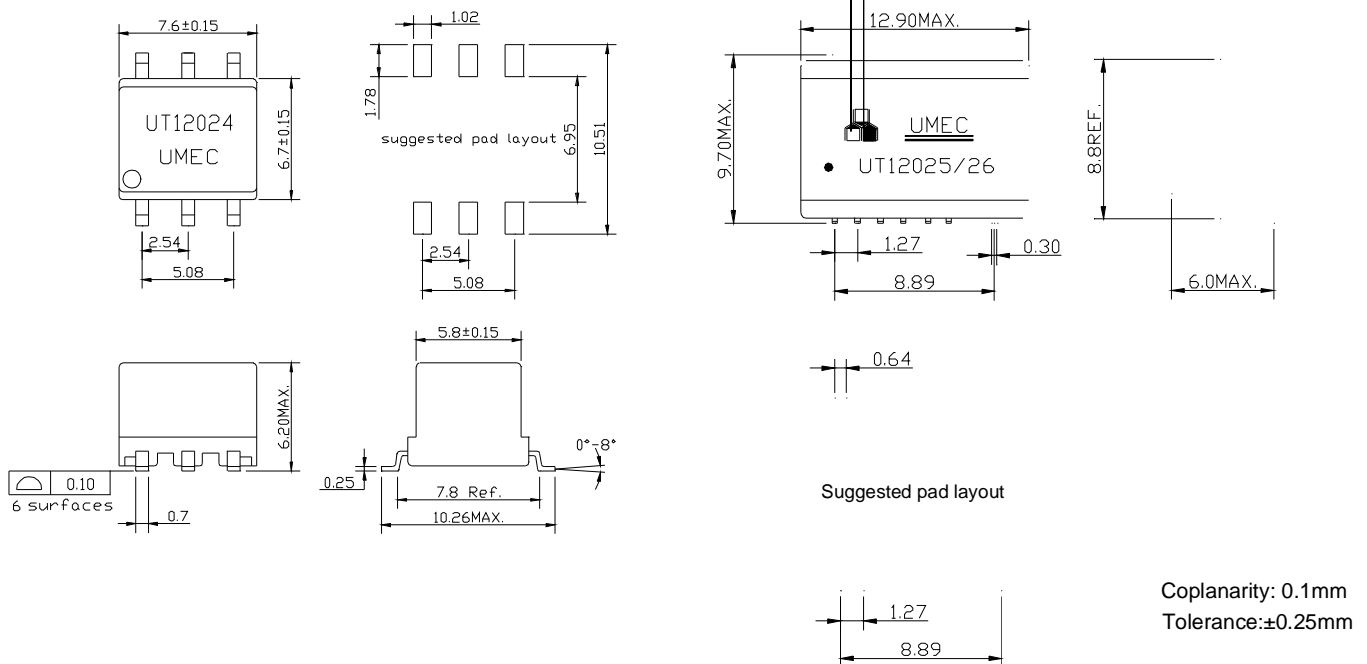
- Compliant performance meet IEEE 802.3af/ANSI X3.263 standard Including 350uH min. OCL with 8mA DC bias
- Suitable for End-span and Mid-span PoE applications
- 350mA current capability
- Designed for IP phone or switch applications
- Non-RoHS, The soldering peak temperature is $230\pm 5^{\circ}\text{C}$
- RoHS compliant, The soldering peak temperature is $245^{\circ}\text{C}(+0/-5^{\circ}\text{C})$
- Suitable for Auto MDIX applications

ELECTRICAL SPECIFICATIONS @25°C

MODEL No.	Ports	Insertion Loss (dB Max.)	Return Loss (dB Min. @ 100Ω)				Cross Talk (dB Min.)			Common to Common Rejection Ration (dB Min.)	Hi-pot (Vrms)
			1-100MHz	1-30MHz	40MHz	50MHz	60-80MHz	30MHz	60MHz		
UT12024 ¹	1/2	-1.2	-16	-14	-13	-12	---	---	---	-35	1500
UT12025 ¹	1	-1.2	-16	-14	-13	-12	-45	-40	-35	-35	1500
UT12026 ²	1	-1.4	-18	-14	-13	-12	-45	-40	-35	-35	1500

- Note: 1. The parts for mid-span PoE applications
 2. Operated temperature: -40°C to 85°C
 3. For RoHS compliant products, the Ordering Code: TG-Model No. ex. TG-UT12024

Mechanicals



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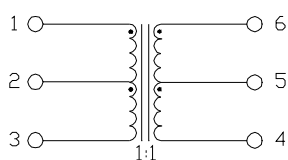
UNIVERSAL MICROELECTRONICS CO.,LTD.
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3,27TH RD.,TAICHUNG INDUSTRIAL PARK,
TAICHUNG,TAIWAN,R.O.C

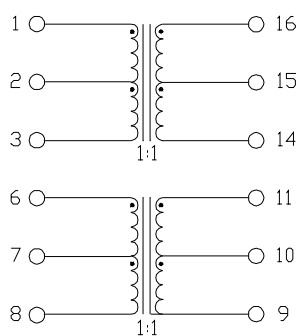
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Schematics

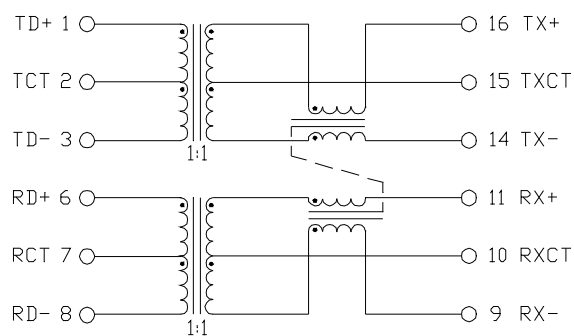
UT12024



UT12025



UT12026



*Specifications are subject to change without prior notice

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