

# SMT Common Mode Choke For PoE+ Applications

- Meets IEEE 802.3 specification.
- The series products provide noise emission for PoE+ applications interface.
- For RoHS Compliant is designed for reflow soldering at temperature 245°C(+0°C/-5°C).
- Common mode attenuation frequency from 10KHz to 1GHz.

## Electrical Specification @25°C:

UMEC Model No.	SRF (typ)	Inductance (+/-35%)	Current ratio (A typ)	DC Resistance ( $\Omega$ max)	Capacitance (pF max)	Leakage Inductance (uH max)	Package Style
UT21343S	200MHz	14.6uH	0.92	0.15	8	0.12	K5S
UT21344S	60MHz	33uH	0.83	0.20	15	0.15	K5S
UT21345S	42MHz	52uH	0.75	0.25	18	0.20	K5S
UT21346S	30MHz	74uH	0.68	0.30	25	0.25	K5S
UT21347S	7.0MHz	228uH	0.75	0.18	10	0.20	K5S
UT21348S	5.5MHz	487uH	0.64	0.28	18	0.25	K5S
UT21349S	2.6MHz	1.05mH	0.55	0.35	30	0.30	K5S
UT21350S	300KHz	23mH	0.45	1.5	120	1.0	K10S
UT21351S	150KHz	47mH	0.40	2.0	160	1.5	K10S

Notes: 1. For RoHS compliant products, the Ordering Code: TG-Model No. ex. TG-UT21343S.

2. Turns Ratio: (1-8):(4-5)=1:1 .

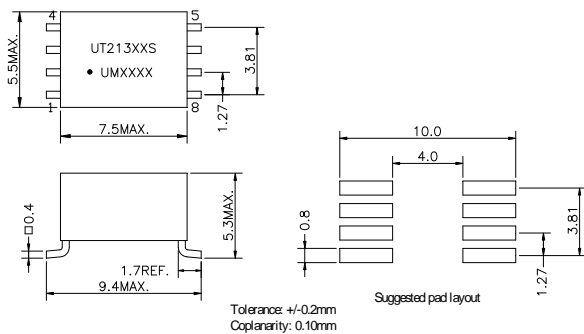
3. Between channel isolation: 500Vac@ 60 seconds or 625Vac@ 2 seconds

4. Packaging Information: Tape And Reel According to "Package Style" Items Of Data Sheet 01-00D

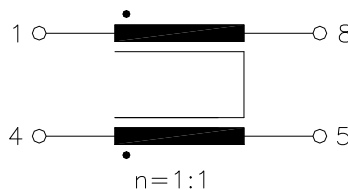
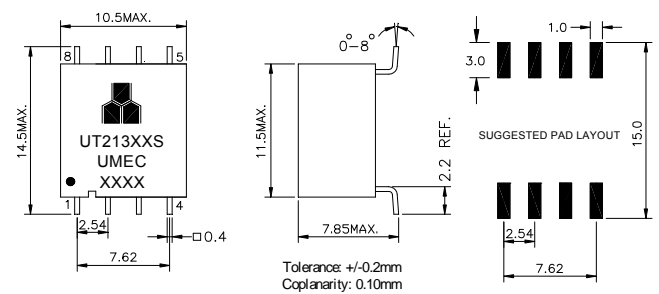


## Mechanicals & Schematics:

### K5S:

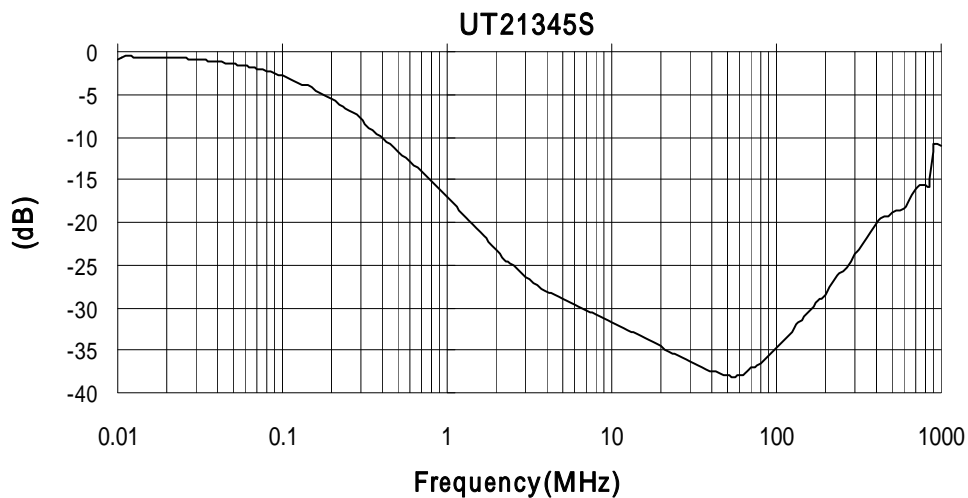
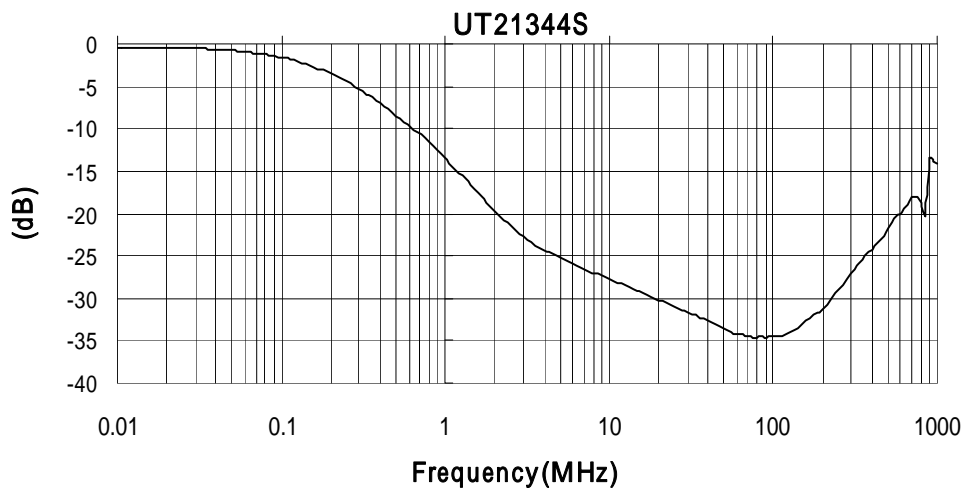
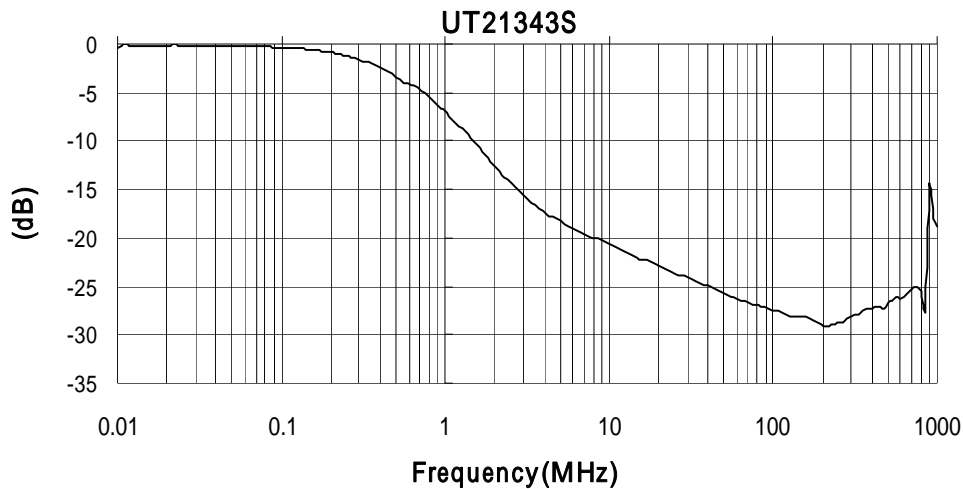


### K10S:

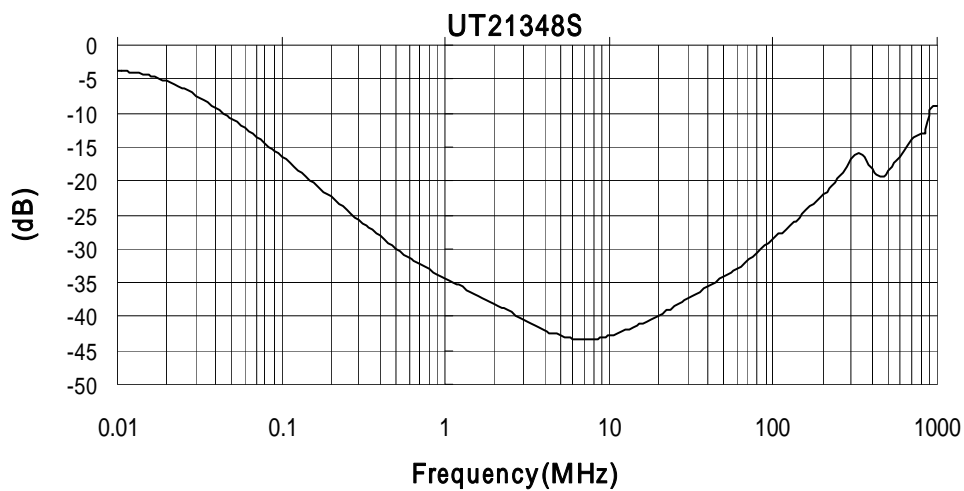
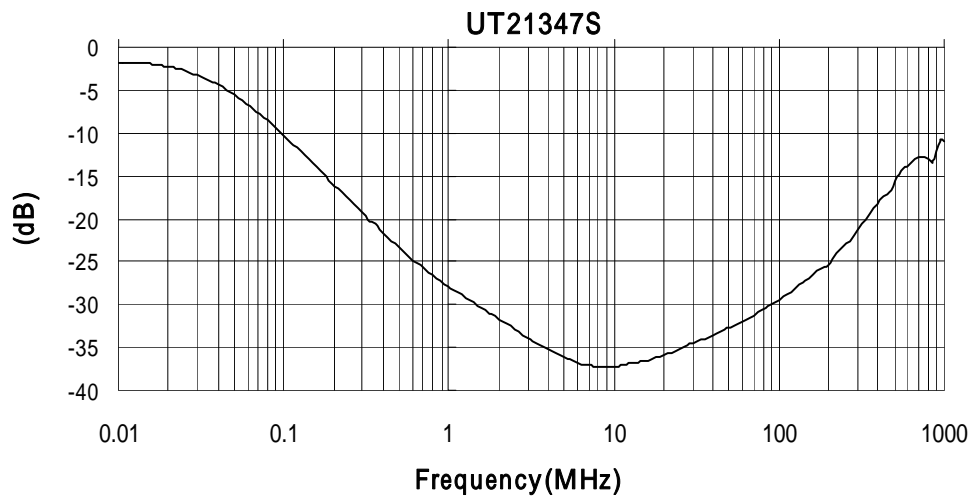
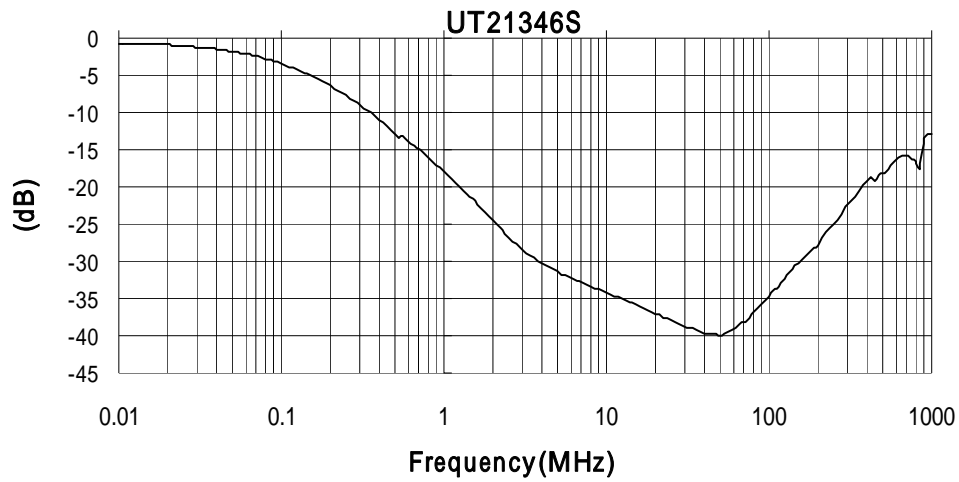


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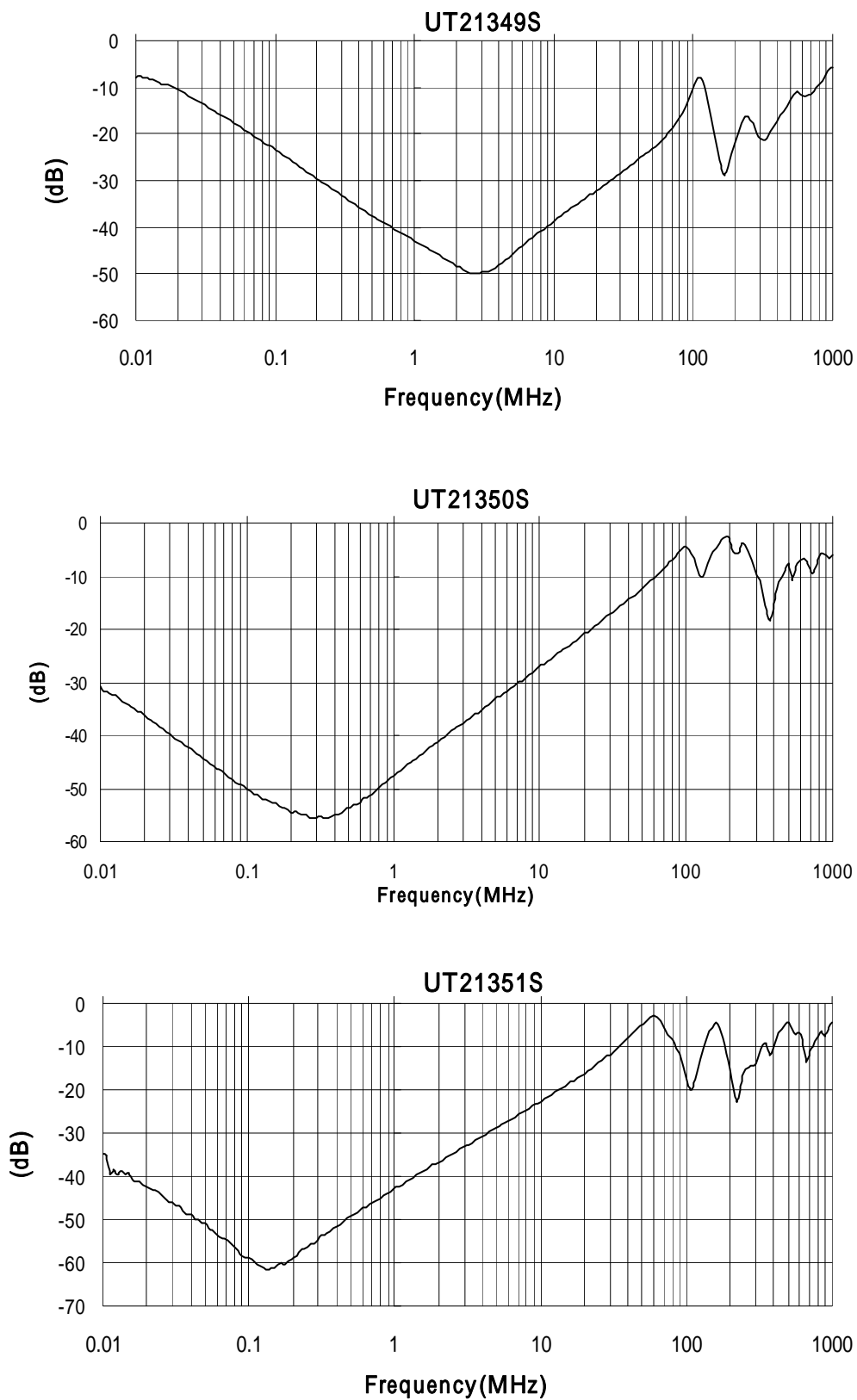
Attenuation (typical values at Z=50Ω)



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DATA SHEET 16-21 AUG./11  
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