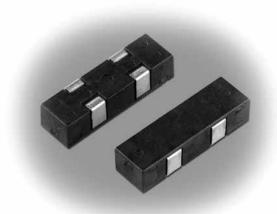


# KT11835

### transponder coil (Rx)

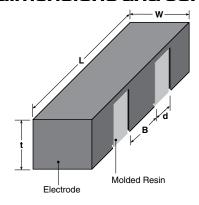


#### features

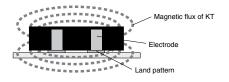


- Transponder coil is arranged with electrode in the long side of the part, and covered with molding resin
- Excellent high Q and high sensitivity, because neither the electrode nor the land pattern disturb the coil flux
- Strong resistance to vibration, shock and substrate bend test by 4 electrode terminals structure and the molded resin
- Small inductance change to environmental temperature change
- Marking: Black body color
- Products meet EU RoHS requirements
- AEC-Q200 Qualified

### dimensions and construction



	Dimensions inches (mm)						
Type	Туре В		L	W	t		
KT	.134 Typ. (3.4 Typ.)		.465±.008 (11.8±0.2)				



# ordering information



Packaging				
TEG: plastic 2,500 pieces				

722				
Nominal Inductance				
722:	gits: 7.2mH 12mH			

J	
Tolerance	
G: ±2% H: ±3% J: ±5%	

For further information on packaging, please refer to Appendix A.

# ratings

Туре	Nominal Inductance (mH)	Inductance Tolerance	Unload Quality Factor Min.	L, Q Measuring Frequency (kHz)	Self Resonant Frequency (kHz) Min.	DC Resistance (Ω)Max.	Allowable DC Current (mA) Max.	Sensitivity (mV/uT) Typ.
KT11835TTEG242 □	2.4	G: ±2% H: ±3% J: ±5%	32		700	32	30	28
KT11835TTEG402 □	4.0		36		600	45	25	35
KT11835TTEG502 □	5.0		32	125	800	75	22	40
KT11835TTEG722 □	7.2		40		750	92	15	55
KT11835TTEG123 □	12		45		500	119	12	75

The code for inductance tolerance (G, H, J) enters

Any other inductance under 12mH is available

Operating Temperature Range: -40°C - +125°C (Self-heating is included). That the operating temperature upper limit temperature of the coil winding portions (ambient temperature + self-heating) is (+125°C) or less.

Specifications given herein may be changed at any time without prior notice. Please confirm technical specifications before you order and/or use.