

TOM1203

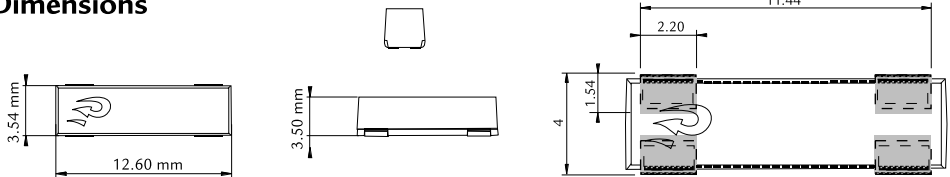
SMD Transponder Overmoulded Design 12.6x3.54x3.5 mm (16.2 mH – 340µH)

Features

This new design available from Q3 2008 performs the highest mechanical standards for an SMD component. Inductor based on a wound ferrite and ulterior overmoulding which results in a compact component with absence of mechanically weak points. Designed to accomplish the highest electrical performance in these dimensions together with good thermal properties. RTPMS, KES, Industrial with high requirements are typical applications for this piece. Maximized sensitivity and thermal performance for the design.



Dimensions



Electrical specifications

P/N	L (mH) @125 kHz	Tolerance	C _{res} (pF)	Q @125 kHz	SRF (kHz)	Sensitivity (mV _{pp} /A _{pp} /m) @125 kHz
TOM1203-1620J	16.2	±5%	100	>15	>200	>100
TOM1203-1350J	13.5	±5%	120	>17	>200	>95
TOM1203-1080J	10.8	±5%	150	>20	>250	>90
TOM1203-0900J	9.00	±5%	180	>20	>300	>80
TOM1203-0736J	7.36	±5%	220	>24	>330	>75
TOM1203-0720J	7.20	±5%	225	>25	>330	>80
TOM1203-0600J	6.00	±5%	270	>25	>350	>70
TOM1203-0491J	4.91	±5%	330	>25	>400	>65
TOM1203-0415J	4.15	±5%	400	>25	>400	>55
TOM1203-0344J	3.44	±5%	470	>25	>450	>50
TOM1203-0289J	2.89	±5%	560	>27	>550	>45
TOM1203-0238J	2.38	±5%	680	>27	>600	>43
TOM1203-0197J	1.97	±5%	820	>30	>600	>40
TOM1203-0162+	1.62	±5%, ±10%	1000	>29	>700	>35
TOM1203-0108+	1.08	±5%, ±10%	1500	>30	>800	>30
TOM1203-0090+	0.90	±5%, ±10%	1800	>24	>900	>23
TOM1203-0073+	0.73	±5%, ±10%	2200	>22	>1000	>20
TOM1203-0060+	0.60	±5%, ±10%	2700	>25	>1000	>18
TOM1203-0049+	0.49	±5%, ±10%	3300	>25	>2000	>16
TOM1203-0041K	0.41	±5%, ±10%	3900	>20	>3000	>15
TOM1203-0034K	0.34	±5%, ±10%	4700	>18	>3000	>15

Add under the chart: This chart is a reference guide for the most common required values at working frequency of 125 kHz. Any other inductance value at LF or tighter tolerances can be provided. Please contact our sales department for any inquiry. Sensitivity measured with Helmholtz coils H=8.36 App/m @125 kHz. Contact us for measurement specification. Terminals: CuSn6-Ni-Sn100