AMORPHOUS CHOKE COILS
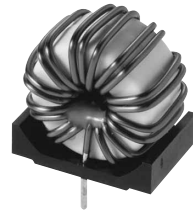
EM Series

◆**MAJOR USES**
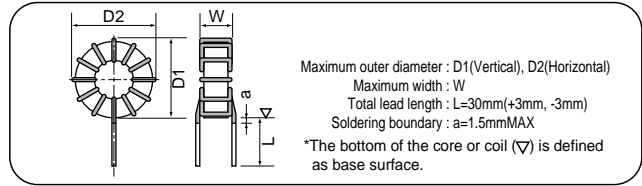- Car audio for Alternator noise prevension

◆**FEATURES**
- Miniaturization in comparison with ferrite choke coil and dust choke coil
- Miniaturization and reduction of DC resistance
- Low leakage flux due to gap-less structure

◆**CORE STANDARD SPECIFICATIONS**

Core Part No. (Old Core Part No.)	Abbreviation	Cross Sectional Area cm²	Magnetic Path Length cm	Outside Dimensions			Inductance Coefficient AL Value		
				Outer Diameter mm	Width mm	Height mm	Idc=0[A] μH	Rated Current* μH	Rated Current Ampere Turn [AT]
LQE110705S (E110705S)	SS	0.090	2.97	13.0	5.9	6.5	0.160	0.120	30
LQE160908S (E160908S)	SW	0.234	3.92	18.4	6.9	10.3	0.674	0.495	36
LQE160910S (E160910S)	SU	0.300	3.92	18.0	7.3	11.9	1.190	0.713	29
LQE181110S (E181110S)	S3	0.301	4.56	20.2	8.8	11.8	0.871	0.775	23
LQE191006U (E191006U)	SV	0.227	4.52	20.5	8.4	7.1	0.430	0.297	51

*1[kHz], +50%, -25%

EM Series

Maximum outer diameter : D1(Vertical), D2(Horizontal)
Maximum width : W
Total lead length : L=30mm(+3mm, -3mm)
Soldering boundary : a=1.5mmMAX
*The bottom of the core or coil (▽) is defined as base surface.

◆COIL STANDARD SPACIFICATIONS

Coil Part No. (Old Coil Part No.)	Rated Current A	Inductance (1kHz) [*1]		D.C.R. mΩ (max)	Winding [*2] mmφ×lines-turns	Outside Dimensions		
		0[A] µH	Rating µH			D1 mm	D2 mm	W mm
● **LCEM001471SW-V00** (EM01471SW)	1	567	352	33	0.9×1P - 29T	22.5	22.5	15.5
● **LCEM002151SW-V00** (EM02151SW)	2	195	112	20	1.0×1P - 17T	23.5	23.5	16.0

*1 Rated inductance minimum value, the inductance at current 0[A] indicates the reference value.
*2 The number of turns indicates the reference value.
   The specification of the inductance takes precedence over that of the number of turns.
There is a horizontal putting type in all items in the above list.
"V"changes into "H" in last the third digit of the name of items.
There is a type with the length putting seat in ● item in the above list.
"V" changes into "D" in last the third digit of the name of items.
*Order the auxiliary pins separately if they are required for the pedestal.

◆D.C. BIAS CHARACTERISTICS

●Core : LQE160908S, Frequency : 1 [kHz]