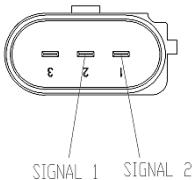
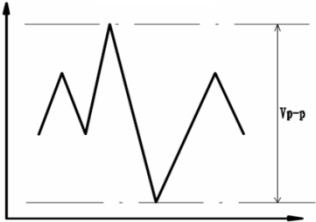
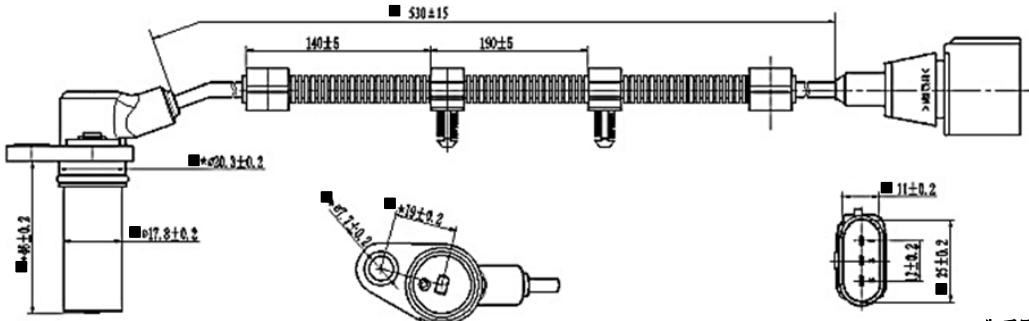


NAME	CS-E148 Crankshaft sensor	NO	CS-1-3-180
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Picture	Plug	Waveform
		

Drawing and Dimension
 ■ 為重點管控尺寸

TYPE : ☐ Hall ☒ Magnetic

Parameter	SYMBOLS	MIN.	TYP.	MAX.	UNITS
Resistance@120Hz	R	460	540	620	Ω
Inductance@120Hz	L	220	260	300	mH
Working Voltage	V	N/A	N/A	N/A	V
Waveform Profile		N/A		N/A	
Frequency	Fre.	N/A	1205	N/A	Hz
Detecting range	Air GAP	0.5	1	1.5	mm
Magnetic strength	Bo	135	160	185	mT
Magnetic field direction SFS=South facing sensor NFS=North facing sensor		N/A	SFS	N/A	
Duty ratio(t1/T)	Duty	N/A	N/A	N/A	%
Temperature	To	-40	25	150	℃
Reference Teeth		N/A	58	N/A	
Output Voltage	Vp-p	30	--	--	V

Repetitive Thermal Shock	The Sensor shall be designed to withstand 100 cycles of -30℃ to 125℃ in 20minutes and 125℃ to -30℃ in 20 minutes .
Vibration Shock	The Sensor shall withstand a vibration according to the following condition without failure or performance degradation . Condition : amplitude acceleration = 15G , vibration frequency = 10~500Hz , a period of 15 minutes for each of the 3 main axes (x,y,z) , test times = 16 cycle .

2016.7.7		1	蔡建華	蔡建華	黃鵬	MOBILETRON
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