	<specif< td=""><td>ICATION</td><td>></td></specif<>	ICATION	>
		SPE Date	C.No. ASDIQ-SPE-088(00) 9: May.6,2022
То :			
	CUSTOMER'S PRO	DUCT NAME	
	ASDI PRODUCT NAM MVHF100505HQ-H		
		CONDI	
	IAL CONSENT		TIONAL CONSENT
A	APPROVED	CHE	CKED
ASDI SIGNATURE			
APPROVED	CHECKED	PREPARED]
Xianglong L	i Liang Wang	Jiayin Cai	



Xiamen Sino Faith Electronic Technology Co.,Ltd.

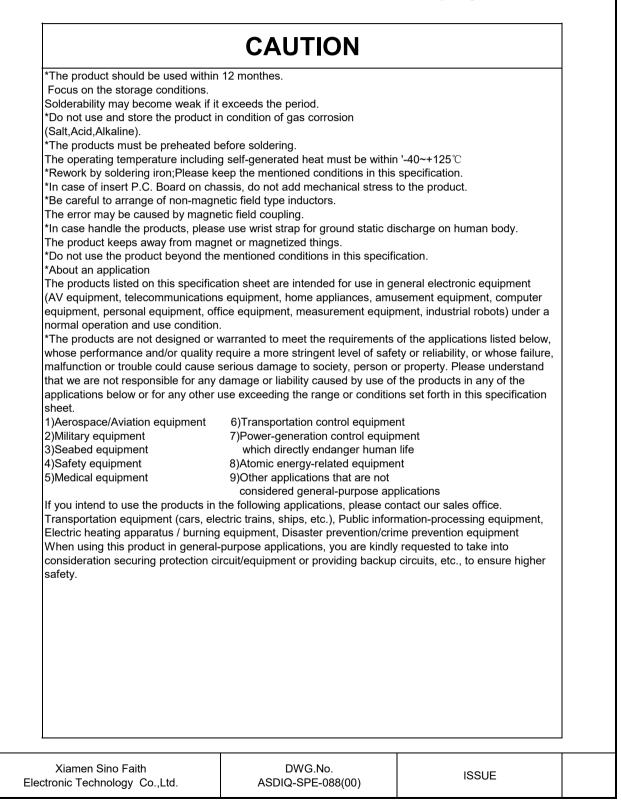
REV.	DATE	DESCRIPTION	APPROVED	CHECKED	PREPARED
00	May.21,2022	New release	Xianglong Li	Liang Wang	Jiayin Cai
	<u> </u>				
	<u> </u>		<u> </u>	<u> </u>	

CAUTION WHEN HANDLING

Before use the products, please read this specification.

CAUTION FOR SAFETY USING

When use the products, be careful to mentioned below for safety using.



CUSTOMER	ASDI PART No.	CUSTOMER'S DWG NO.
	MVHF100505HQ-HX-Series	

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2.Manufacturing Location

China

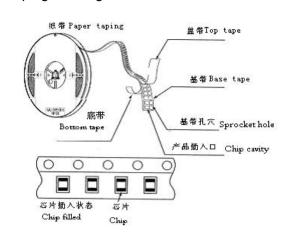
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(1)Dimension	n & Inn	er-configura	tion							
				w		a b c d	Ni/Sn p Ag la Inner ele Boc	yer ectrode		
N	lo.		Comp	onent		Material				
1	1		Bo	dy		VHF inducto mic systemA				
2	2		Inner el	ectrode		Ag	2 0			
3	3	Terminal el	ectrode	Ag layer	NI	Ag				
				Ni/Sn plating	NI	layer-Sn lay	/er		11.4	(here here)
Siz	ize	L		W		Т	а		Unit: mm	
100)505	1.0±0. (0.040±0		0.5±0.15 (0.020±0.006)		:0.15 ±0.006)	0.25± (0.010±0		0.5±0 (0.020±	
(2)Product Sp	pec. M	odel								
	/HF A	100505 В	HQ C	1N0 D	S E	T F	-	HX G		
B: Dir C: Ma D: Inc E: To F:Pac	roduct imensie laterial iductar oleranc ickagin internal	ons code nce ce ig		MVHF (L×W×T) (1.0×0.5× HQ 1N0=1.0nH S (±0.3nH) Tape & Reel: T	0.5mm)					
						DWG.No.	ASDIC	Q-SPE-08	8(00)	PAGE 3/9
			Xia	men Sino Faith El	ectronic [·]	Technolog	y Co.,Ltd	-		

ASDI Part Number	Customer	Inductance	Q Value	RDC	Test frequency	Test voltage	SRF (MHz)	Rated current
	P/N	(nH)	(min)	(Ω)max	(MHz)	(mV)	(IVIH2) min	(mA)max
/VHF100505HQ1N0 DT-HX		1.00	8	0.06	100	50	10000	1000
/VHF100505HQ1N1 □T-HX		1.10	8	0.07	100	50	10000	1000
IVHF100505HQ1N2 DT-HX		1.20	8	0.07	100	50	10000	1000
/VHF100505HQ1N3 DT-HX		1.30	8	0.07	100	50	10000	1000
IVHF100505HQ1N5 DT-HX		1.50	8	0.08	100	50	6000	1000
IVHF100505HQ1N6 □T-HX		1.60	8	0.08	100	50	6000	1000
IVHF100505HQ1N8 □T-HX		1.80	8	0.08	100	50	6000	900
IVHF100505HQ2N0 =T-HX		2.00	8	0.09	100	50	6000	900
IVHF100505HQ2N2 DT-HX		2.20	8	0.09	100	50	6000	900
IVHF100505HQ2N4		2.40 2.70	8	0.10	100	50 50	6000 6000	800 800
IVHF100505HQ3N0 =T-HX		3.00	8	0.12	100	50	6000	800
VHF100505HQ3N3 DT-HX		3.30	8	0.12	100	50	6000	800
IVHF100505HQ3N6 DT-HX		3.60	8	0.13	100	50	4000	700
IVHF100505HQ3N9 DT-HX		3.90	8	0.15	100	50	4000	700
IVHF100505HQ3N9 T-HX		4.30	8	0.16	100	50	4000	700
VHF100505HQ4N7 DT-HX		4.30	8	0.10	100	50	4000	700
VHF100505HQ5N1 DT-HX		5.10	8	0.16	100	50	4000	600
IVHF100505HQ5N6 = T-HX		5.60	8	0.10	100	50	4000	600
VHF100505HQ6N2 DT-HX		6.20	8	0.20	100	50	3900	600
IVHF100505HQ6N8 □T-HX		6.80	8	0.20	100	50	3900	600
IVHF100505HQ7N5 DT-HX		7.50	8	0.24	100	50	3700	500
IVHF100505HQ8N2 DT-HX		8.20	8	0.24	100	50	3600	500
IVHF100505HQ9N1 DT-HX		9.10	8	0.26	100	50	3400	500
IVHF100505HQ10N		10.0	8	0.26	100	50	3200	500
VHF100505HQ12N DT-HX		12.0	8	0.50	100	50	2700	400
IVHF100505HQ15N DT-HX		15.0	8	0.50	100	50	2300	400
IVHF100505HQ18N		18.0	8	0.60	100	50	2100	350
IVHF100505HQ20N DT-HX		20.0	8	0.60	100	50	2000	350
IVHF100505HQ22N DT-HX		22.0	8	0.60	100	50	1900	350
IVHF100505HQ27N DT-HX		27.0	8	0.70	100	50	1600	300
IVHF100505HQ33N DT-HX		33.0	8	0.80	100	50	1300	300
IVHF100505HQ39N DT-HX		39.0	8	1.00	100	50	1200	250
IVHF100505HQ43N DT-HX		43.0	8	1.10	100	50	1100	250
IVHF100505HQ47N DT-HX		47.0	8	1.10	100	50	1000	250
IVHF100505HQ56N DT-HX		56.0	8	1.20	100	50	750	200
IVHF100505HQ68N DT-HX		68.0	8	1.40	100	50	750	200
IVHF100505HQ82N DT-HX		82.0	8	1.60	100	50	750	200
IVHF100505HQR10 DT-HX		100.0	8	2.00	100	50	700	200
IVHF100505HQR12 DT-HX		120.0	8	2.50	100	50	600	150
IVHF100505HQR15 DT-HX		150.0	8	3.00	100	50	550	150
IVHF100505HQR18		180.0	8	3.50	100	50	500	150
IVHF100505HQR22 DT-HX		220.0	8	3.70	100	50	450	100
IVHF100505HQR27 □T-HX		270.0	8	4.50	100	50	400	100
IVHF100505HQR33		330.0	6	5.00	50	50	350	80
IVHF100505HQR36 DT-HX		360.0	6	6.00	50	50	300	80

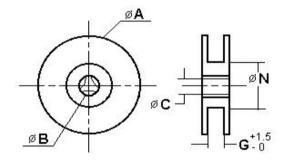
)Reliability	Testing Items			
	No.	Items	Requirements	Test Methods and Remarks
	1	Operating Temperature Range	-55°C ~+125°C	
	2	Solder ability	At least 95% of terminal electrode should be covered with solder	Preheating temperature:120 °C to 150 °C Preheating time: 60s Solder 96.5%SN/3.0%Ag/0.5%Cu of the Sn solder. Solder temperature: 245±5 °C Immersion tin depth:10mm Duration : 5±1s Dip performance to a flux of about:3 ~ 5 s
	3	Resistance to Soldering	At least 95% of terminal electrode should be covered with solder. No mechanical damage. Inductance : H : change within ±10% Q value change(ceramic): within ±20%	Preheating temperature: 120°C to 150°C Preheating time: 60s Solder 96.5%Sn/3.0%Ag/0.5%Cu of the Sn solder. Solder temperature: 260°C±5°C Immersion tin depth:10mm Duration : 10±1s Dip performance to a flux of about:3 ~ 5 s
	4	Adhesion of electrode	The termination and body should be no damage.	Applied force: 5N force for 1005 series. Keep time : 10±1S
	5	Low temperature resistance	No mechanical damage. Inductance change: within ±10% Q value change(ceramic): within ±20%	Temperature: -55±2℃ +24 Testing time: 1000 ⁻⁰ h
	6	Bending strength	No mechanical damage	Testing board: glass epoxy-resin substrate For 0.5 mm/s compression speed, curvature: 2mm, hold time 20s±1s 度度: 1.6mm ± 0.20mm 或者 0.8mm ± 0.10mm 方面 1.6mm ± 0.20mm 支座 本品 45mm ± 2mm 45mm ± 2mm
	7	Vibration	No mechanical damage. Inductance change: within ±10% Q value change(ceramic): within ±20%	Amplitude modulation: 1.5mm Test time: A period of 2h in each of 3 mutually perpendicular directions. Frequency range: 10Hz to 55Hz to 10Hz for 1min.
	8	High temperature resistance	No mechanical damage. Inductance change: within ±10% Q value change(ceramic): within ±20%	+24 Testing time: 1000.₀h Temperature: 125°C±2°C
	9	Static Humidity	No mechanical damage. Inductance change: within ±10% Q value change(ceramic): within ±20%	Humidity: 90% to 95% RH Temperature: 60°C±2°C +24 Testing time: 1000.₀h
	10	High temperature load	No mechanical damage. Inductance change: within ±10% Q value change(ceramic): within ±20%	impose current: at room +24 Testing time: 1000_0h Temperature: 125°C±2°C
	11	Temperature Shock	No mechanical damage. Inductance change: within ±10% Q value change(ceramic): within ±20%	Temperature: -55 °C for 30±3min +125 °C for 30±3min Number of cycles: 100 +125 °C domin. -55 °C domin. 3 min. (max.)
	Note: When t	there are questions concerning, m	easurement shall be made after 24±2hrs of reco	overy under the standard condition.
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(5)Packaging 5-1,Taping drawings

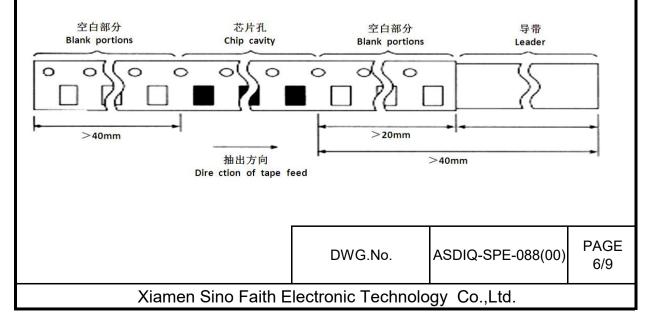


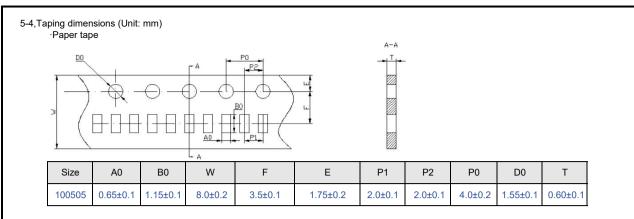
5-2, Reel dimensions (Unit: mm)

Size	А	В	С	Ν	G
CF-8	178±2.0	22.0±2.0	12.5±1.5	57±2.0	8

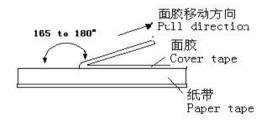


5-3,Leader and blank portion





5-5, Peeling off force



Peeling force should be 0.1~0.7N pulling in the direction of arrow.
Speed of peeling off: 300mm/min.
The cover bond should not be damaged and bond the tape when it peeled off.

5-6,Packaging number (Unit: Pcs)

Size	100505
REEL	10000
BOX	100000
CASE	600000

5-7,Label stick station

卷盘标签 Reel label	纸盒标签 Carton label	纸盒标签 Carton label	外箱标签 Outer box label

(6)Recommend Soldering Conditions 6-1,Soldering Conditions

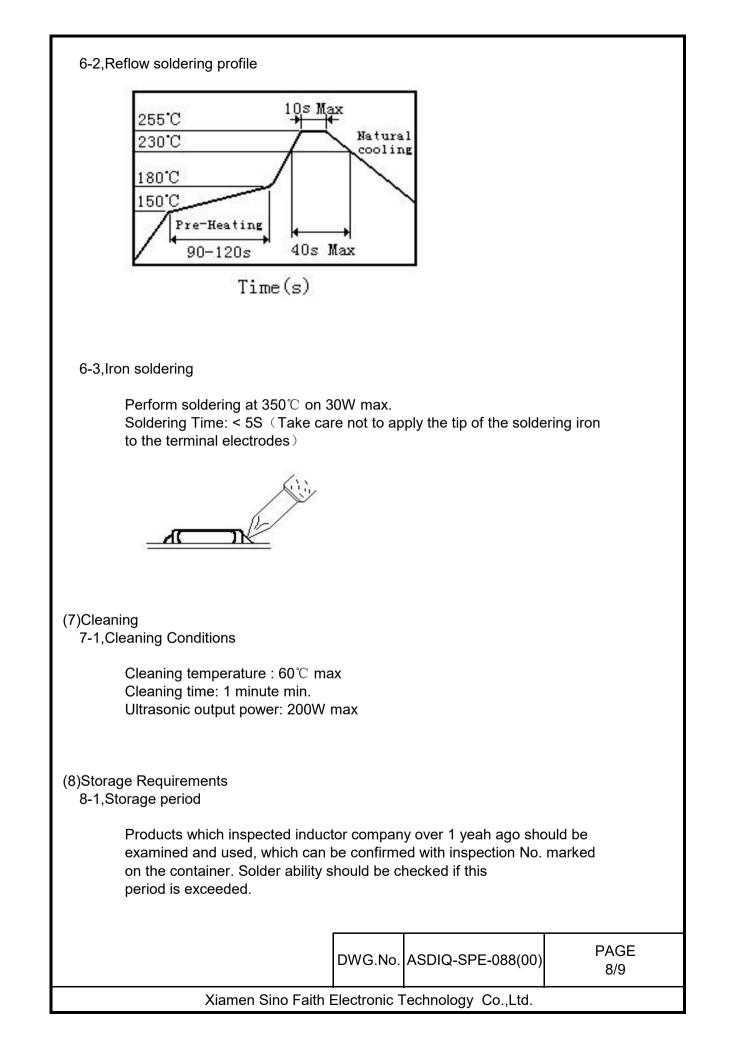
Products can be applied to reflow soldering.

①Soldering conditions

·Pre-heating should be in such a way that the temperature difference between solder and ferrite surface is limited to 150° C max. Also cooling into solvent after soldering should be in such way that the temperature difference is limited to 100° C max. Un-enough pre-heating may cause cracks on the ferrite, resulting in the deterioration of product quality.

•Products should be soldered within the following allowable range indicated by the slanted line. The excessive soldering conditions may cause the corrosion of the electrode. When soldering is repeated, allowable time is the accumulated time.

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8-2, Storage conditions

(1)Products should be storage in the warehouse on the following conditions:

Temperature : -10~+40 $^{\circ}$ C Humidity: 30~70% relative humidity (2)Don't keep products in corrosive gases such as sulfur, chlorine gas or acid,oxidization of Electrodes resulting in poor solder ability.

(3)Products should be storaged on the palette for the prevention of the influence from humidity, dust and so on.

(4)Products should be storaged in the warehouse without heat shock, vibration, direct sunlight and so on.

(5)Products should be storaged under the airtight packaged condition.

(9)Usage Of ODS

For ODS listed below , we don't use in process. ODS: CCl4, HCFC, etc.

(10)Notes

(1) If the parcel label on product is "Unitary lead free" that indicate the products in accord with ROHS appointed requests.

(2) This product specification guarantees the quality of our product as a single unit, Please make sure that your product has been evaluated and confirmed against your specifications when our product is mounted to your product.

(3) We can't warrant against failure caused by any use of our product that deviates from the intended use as described in this product specification.

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单击下面可查看定价,库存,交付和生命周期等信息

>>ISND(华信安)