Specification Sheet for Approved

Customer Name:	
Customer Part No.:	
Ceaiya Part No:	CCM3416F2-600T
Spec No:	Y-22050601

[For Customer Approval Only **]**

If you Approval, Please Stamp

[RoHS Compliant Parts]

Approved By	Checked By	Prepared By
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Rev.	Effective Date	Changed Contents	Change Reasons	Approved By		
A0	2022-05-05	New release	1	Li qing hui		







(eaiya



L(common mode)			Agilent -4291A+ Agilent - 16197A		
DCR	Refer to standard electrical characteristics list.		Agilent -4338B		
I.R.			Agilent 4339		
Temperature Rise Test	Rated Current < 1A △T 20°C Max.		1. Applied the allowed DC current.		
	Rated Current \ge 1A \triangle T 40°C Max.	Rated Current \geq 1A \triangle T 40°C Max.			
			surface thermometer.		
Reliability Test					
	Appearance: No damage.	Preeconditioning: Run through IR reflow			
	Inductance: within ±10% of initial value	for 2 times.			
	RDC: within ±15% of initial value and	(IPC/JEDECJ-STD-020D Classification			
	shall not exceed the specification value	Reflow Profiles)			
Life Test		Temperature: 85±2°C			
		Applied current: rated current			
		Duration: 1000±12hrs			
		Meas	sured at room temperature after		
		placing for 24±2hrs			

ltem	Performance	Test	Cond	ition			
		Preecon	ditioning	: Run thro	ugh IR r	eflow for 2 tin	nes.
		(IPC/JEDECJ-STD-020D Classiification Reflow Profiles)					
		Humidity	/: 85±2°0	R.H.			
Load Humidity		Duration	n: 1000hi	rs Min. with	n 100% r	rated current.	
		Measure	ed at roo	m tempera	ture afte	er placing for	24±2hrs
	-						
Thermal shock		Precond	litioning:	Run throu	gh IR rei	flow for 2time	S. Crofilos)
	Appearance: No damage.	Step1: -4	40±2°C	30±5min	105511110		-Tomes)
	Inductance: within ±10% of initial value	Step2: 2	25±2°C ≤	0.5min			
	RDC: Within ±15% of initial value and shall not exceed the specification value	Step2: 8	5±2°C 3	80±5min			
		Number	of cycle	s: 500			
		Measure	ed at roo	m tempera	iture atte	er placing for	24±2 Chrs
		Oscillatio	on Frequ	iency: 10~	2K~10H	z for 20 minu	tes
		Equipme	ent: Vibra	ation check	ker		
Vibration		Testing	Time ¹	1.52000 ± 2 hours (2	:10% 20 minut	tes 12 cvcle	s each of 3
		oorienta	tions).			12 eyele	
			Peak	Nor	mal	Wave	Velocity
	Appearance: No damage.	Туре	value	Durati	on(D)	form	Change
Shock	Inductance: within ±10% of initial value RDC: within ±15% of initial value and shall not exceed the specification value		(g's)	(m	s)		(Vi) ft/sec
		SMD	50	1	1	Half-sine	11.3
		Lead	50	1	1	Half-sine	11.3
		Preheat: 150°C, 60sec.					
		Solder: S	Sn99%,	Ag0.3%,Cເ ົ.ເຣັດ	J0.7%		
Solder ability	More than 95% of the terminal electrode	Temperature: 245±5°C					
-	should be covered with solder	Dip time	:4 ± 1s	ec.			
		Depth: completely cover the termination					
		Depth: c	omplete	ly cover th	e termin	ation	
		Tempe	erature	Times ()	Terr	nperature	Number
Resistance to		(°C)		Time(s)	ramp/immersion		of neat
Sodering Heat		260	±5	4014			Cycles
		(solder	temp)	IUEI	25000	/S I OIIIII/S	I
		Precond	litionina:	Run throu	ah IR rei	flow for 2 time	20
	Appearance: No damage.	(IPC/JEDECJ-STD-020D Classification Reflow Profiles)					
	Inductance: within ±10% of initial value	With the component mounted on a PCB with the device to be					
	RDC: within ±15% of initial value and shall not	tested, apply a force(>0805: 1kg, <=0805:0.5kg) to the side					
	exceed the specification value	a shock to the component being tested.					
Terminal		DUT wide					
Strength							
		substrate press tool				thickne	53
						shear fo	orce



9. Soldering and Mounting

9-1 Soldering

Mildly activated rosin fluxes are preferred, terminations are suitable for all wave and re-flow soldering systms.

If hand soldering cannot be avoided, the preferred technique is the utilization of hot aiir soldering tools.

9-1.1 Solder re-flow:

Reecommended temperature profiles for re-flow soldering in Figure 1.

9-1.2 Soldering Iron (Figure 2):

Products attachment with a soldering iron is discouraged due to the inherent process control limitations. In the event that a soldering iron must be employed the following precautions are recommended.

Preheat circuit and products to 150°C Never contact the ceramic with the iron tip Use a 20 watt soldering iron with tip diameter of 1.0mm 355°C tip temperature (max) 1.0mm tip dijameter (max) Limit soldering time to 4~5 sec.



Fig.1

Fig.2



10.Packaging and Marking:





10-3.Reel Dimensions:

Carrier Tape Reel



Туре	А	В	С	G	Ν	Т
8mm	178	20.7±0.8	13±0.4	9	60	10.8

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10-4. Packaging Quantity:

2KPCS/ Reel



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