Panasonic

Issue No. :			
Date of Issue:	Nov. 1,	2013	
Classification:	∎ New	Change	Update

Product Specification for Information

Product Description	:	Contactless Charger Ferrite Module
Droduct Dort Number		
Product Part Number	•	KNCWA15C545Z
Customer Part Number	:	
Application Standard	:	

С	Customer's Receiving Stamp			

Panasonic System Networks Kyushu Co., Ltd.

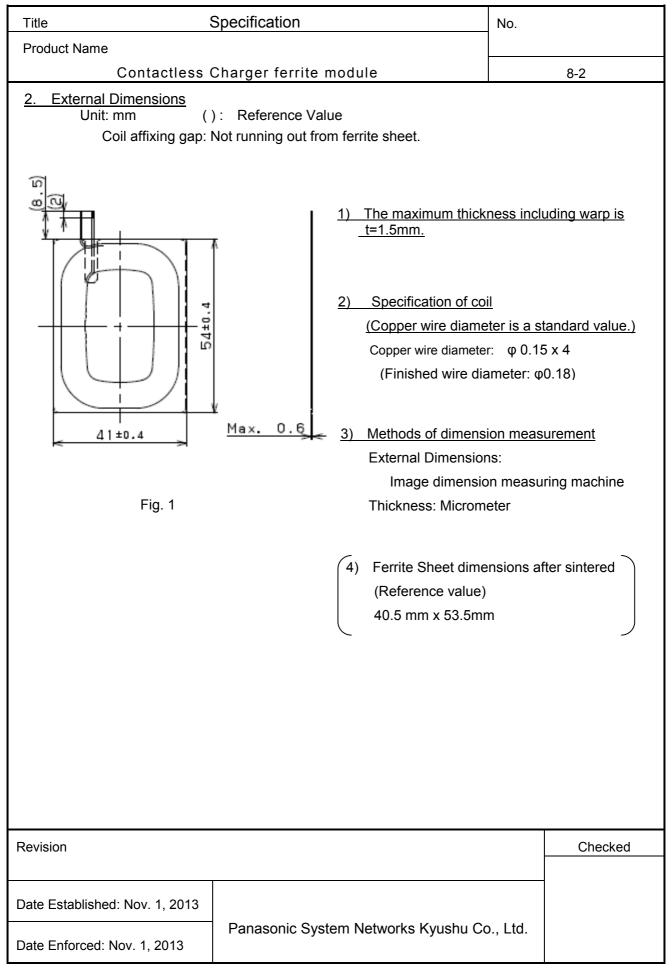
2111 Ueda, Usa City, Oita 879-0493, Japan Tel : +81-978-37-2111 (Representative) Fax: +81-978-37-0539

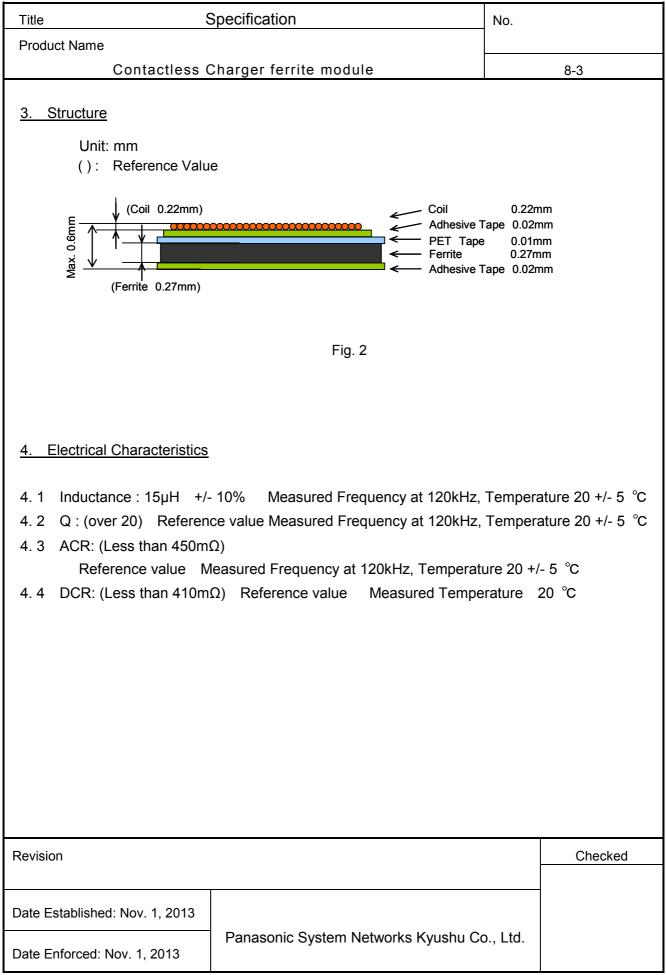
Prepared: Engineering Group, Magnetic Application Technology Team			
Approved	Checked	Designed	

Revision History of Product Specification for Information

Date	Descriptions	Revised Page	Checked	Designed
2013/11/1	Initial Version			

Title	Specification		No.	
Product Name				
Contactless Charger ferrite module				8-1
<u>1. General Information</u> 1. 1 Scope of Application This specification cov	vers the characteris	tics of Contactless Charge	er ferrite r	nodule.
1.2 Part Number				
Panasonic Pa	art Number	Customer Part N		is used
KNCWA1	5C545Z	*If there is no request, the same	e one as left	is used.
 1.3 Customer Application / 1.4 Temperature Range Operation Temperature Storage Temperature 1.5 External Dimensions a Fig. 1 and 2 show the 	ire Range : -20°C t Range : -20°C to nd Structure		ating terr	iperature)
Revision				Checked
Date Established: Nov. 1, 2013				
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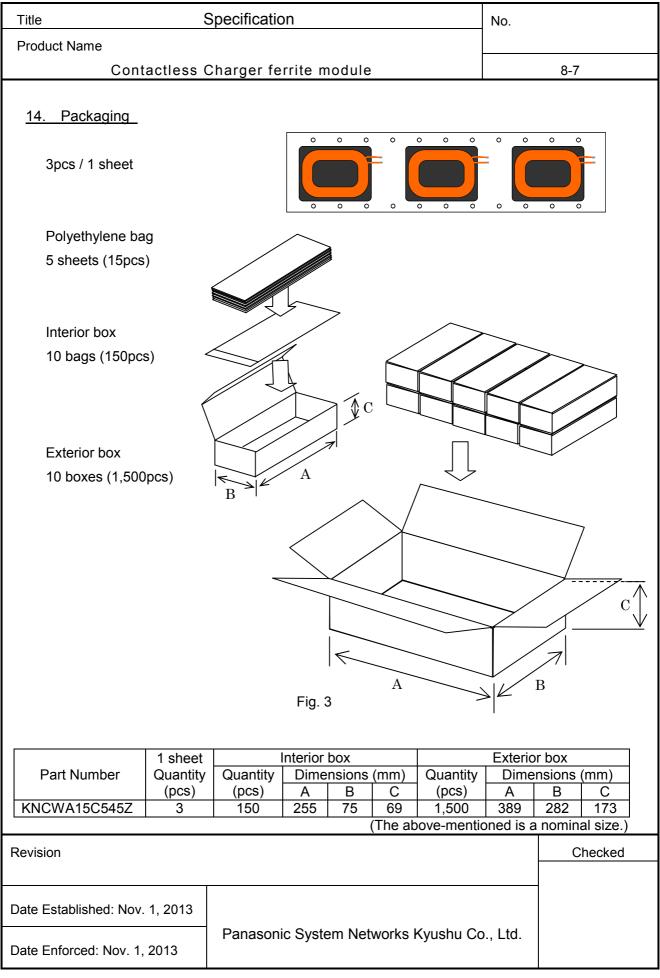
02-43 【B602-H-015】 (08-04-10)

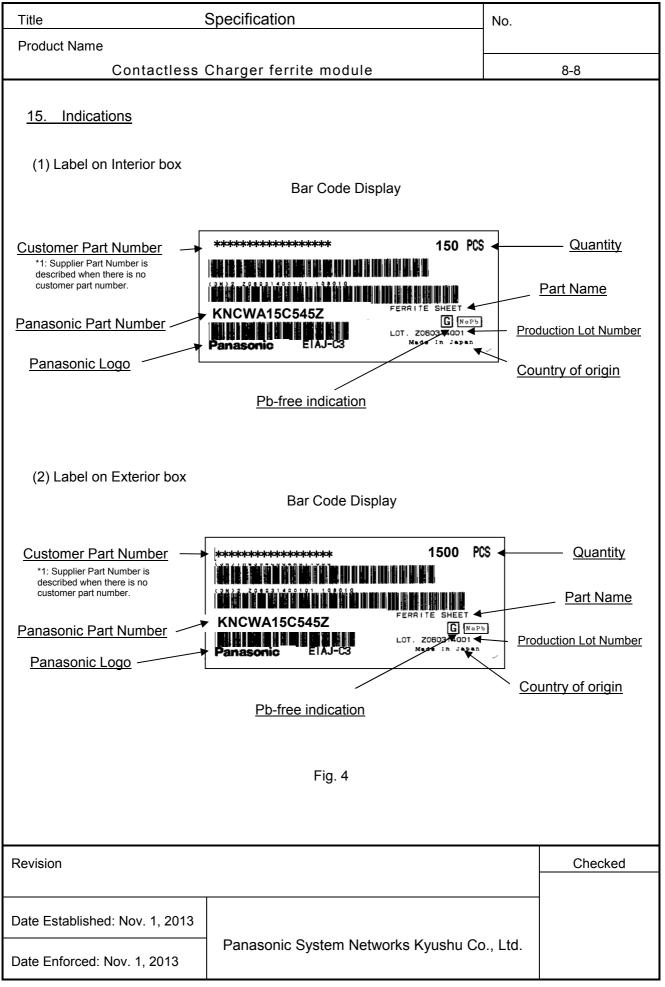
Title Specification		No.			
Product Name					
Contactless Charger ferrite module			8-4		
5. Physical Prop	<u>erties</u>				
Item		Test Method Criteria			eria
Vibration Resistance property	applied at between 1 every mini directions	ration of a total amplitude of 1.5mm is ed at a frequency that oscillates misa een 10Hz and 55Hz and back to 10Hz swell minutes for two hours in each of three tions (up-down, left-right, and prope		ficant scratches, ment, peeling of the tape, , or damage to the surface uence the product's es during practical use were a visual inspection.	
Drop Strength	chassis ar 1.7m onto	ict is mounted on a 150g mock up nd then dropped from a height of a concrete surface. The product is n its six faces in one cycle and one nrried out.	No signific misalignm swelling, o that influe properties	cant scratches, nent, peeling of the tape, or damage to the surface once the product's during practical use were visual inspection.	
6. Resistance to	Environme	ent			
Item		Test Method		Crite	
Leaving in a high temperature environment	After the product is left at a temperature of $+85^{\circ}C$ +/-2°C for 96 hours, it is left for 2 to 24 hours. Then the measurement is conducted.		No significant scratches, misalignment, peeling of the tape, swelling, or damage to the surface that influence the product's properties during practical use were found in a visual inspection.		
Leaving in a low temperature environment	After the product is left at a temperature of -40° C +/-2 $^{\circ}$ C for 96 hours, it is left for 2 to 24 hours. Then the measurement is conducted.		No significant scratches,		
Leaving in a high humidity environment	+60°C +/- 95% RH fo	After the product is left at a temperature of +60°C +/-2°C and humidity of 85% RH to 95% RH for 96 hours, it is left for 2 to 24 hours. Then the measurement is conducted.		No significant scratches, misalignment, peeling of the tape, swelling, or damage to the surface that influence the product's properties during practical use were found in a visual inspection.	
Heat cycle test	temperature variations between -40°C (30 misalignment, r min.) and +85°C (30 min.), it is left for 2 to 24 hours. Then the measurement is conducted. properties durin		cant scrate nent, peeli or damage nce the pe during pr	nt scratches, nt, peeling of the tape, damage to the surface ce the product's luring practical use were isual inspection.	
Revision			Checked		
Date Established: Nov. 1, 2013					
Date Enforced: Nov. 1, 2013 Panasonic System Networks Kyushu Co., Ltd.)., Ltd.		

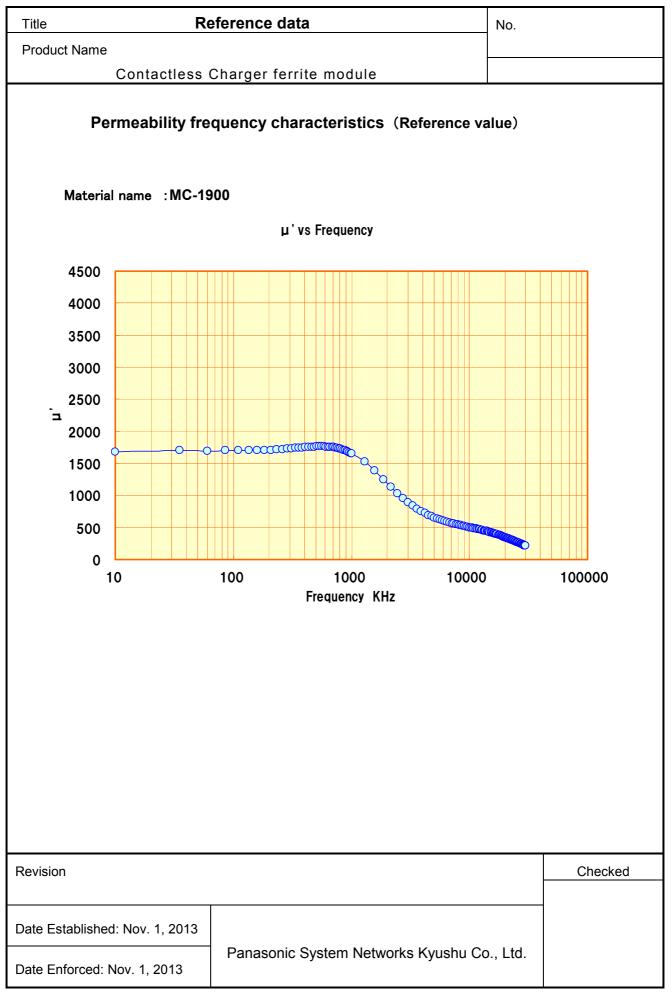
Title	Specification	No.
Product Name		
Contactless (Charger ferrite module	8-5
7. Packaging Specifications Fig. 3 and Fig. 4 show the pa	ackaging specifications, contents on labels a	and delivery form.
8. Production Plant Panasonic System Networks	s Kyushu Co., Ltd.	
cause a failure. (2) The product is not design	<u>e product</u> product or leave it outdoors for a long perio ned for use in the special environment desc ing special environment, users need to che	ribed below. When using
may get on the produ • Use of the product ur • Use of the product in	a condition where water, oil, medicinal solu act or use in liquid. ader direct sunlight, exposed outdoors, or in a location exposed to sea breezes or with a monia, sulfur oxide, hydrogen chloride, or co	a dusty environment. a high content of chlorine,
 Use of the product in (3) When installing the production Please do not subject Please do not put over breakages of the production Please do not use the 1.5mm due to over logonal subject Please do not mound 	e product when the product thickness incluc ads during mounting. t the coil again on ferrite sheet. oduct in equipments which it can directly affe	es deformations and ding warp becomes over
Soldering iron top te	emperature 300 +/-10°C, less than 7 secon	nds. Checked
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Date Enforced: Nov. 1, 2013		J., Eld.

Title	Specification	No.	
Product Name			
Contactless	Charger ferrite module		8-6
 <u>10. Storage</u> (1) Please store the processor +40°C and a humidite change (no condensate) (2) Please do not store to chlorine, hydrogen state as sulfite gas. (3) The maximum storage in addition, if the processor and tape adherence <u>11. Environmental Protect</u> (1) Components of the product of	luct in a packaged condition in a location wit y of 30% RH to 75% RH without any sudden ation), direct sunlight, pressure, vibration, or the product in a location exposed to sea brea ulfide, ammonia, sulfur oxide, hydrogen chlo ge period should be no more than six months duct has stored more than six months, pleas property, then please use it. <u>etion and Other matters</u> roduct are all listed as being made from exis se Act on the Evaluation of Chemical Substa components contain specified bromine flam oncerning the parts such as the production p rior discussion. mpany's receiving stamp on these Delivery S . If we receive an order from your company to urned, we will assume that these Delivery Sp	tempera shock. ezes or w ride, or c s after sh e check ting cher ances an e-retarda blant, ma Specification	ature/humidity vith a high content of orrosive gas such hipment. the soldering property mical substances d Regulation of Their ant substances. terials, and processes tions and return one ese Delivery ons were received
Notification is submitt of expiration describe revision arises, the co (4) Our company shall as	fications shall be renewed automatically eve ed by our company or your company within t d on the front cover of these Delivery Specifi intent shall be revised upon prior discussion. sume no responsibility whatsoever for any p rent from the descriptions in these Delivery S <u>Order</u>	hree mo ication. If	nths before the date f the need for a caused by using the
	t to regulation under items 1 to 15 listed in A t 2 of the Japanese Export Trade Control Or	• •	d Table 1 or any item Checked
Date Established: Nov. 1, 2013	Panasonic System Networks Kyushu C	o., Ltd.	

Date Enforced: Nov. 1, 2013







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