SPECIFICATION FOR APPROVAL

COMMODITY	СНОКЕ	
ITEM	EC 36-102J	Green

(1) DIMENSION: (UNIT: mm)					DIM.	TOL.
	B G D			A	11.0	MAX.
in 1 2 1 in		_		В	52.0	±1.0
G		D		С	5.0	±0.5
SCHEMATIC 10				D	4.0	MAX.
		•		Е	0.65	±0.05
原理圖		1st Figure 2nd Figure		G	6.0	±1.0
20	2 3rd Multiplier			1st Figure	Brown	
1st 2nd	4th 3rd	4th Tolerance		2nd Figure	Black	
				3nd Multiplier	Red	
				4th Tolerance	Gold	
(2) ELECTRICAL CHARACTERISTIC				TEST	INSTRUM	IENTS.
INDUCTANCE	$1000 \pm 5\% \qquad \qquad \mu \mathrm{H}$		AGILENT 4294A Precision Impedance Analyzer.			
_	50 (min)		☐ AGILENT 4285A Precision L.C.R.			
Q			☐ HP-4286A RF L.C.R. Meter.			
TEST FREQUENCY	252 KHz		ZENTECH 3302 Automatic			
TEST PREQUENCT			Components Analyzer. ZENTECH 101 L.C.R. Meter.			
SRF	1.4 (mir	n) MHz				
SIXI	1.4 (111	iiii) iviiiz	WAYNE KERR 6420 Precision Impedance Analyzer.			
RDC	17 (max)	ax) Ω			1320 BIAS CU	RRENT.
		.dx) 52			502AC Resista	
IDC	100 (m	ax) mA			155B DC Lov	
		,		MLW WY-I	1330 00 000	o omn wick.
DELCADIC.						

REMARK:

. Operating temperature ranges : - 20° C to + 80° C .





Reliability Performance

Environmental tests

Test Item	Accept Criteria	Test Conditions		
Operating Temperature	- 20 ℃ ~ + 80 ℃			
Storage Temperature	- 40 °C ∼ + 80 °C			
High Temperature Storage Test Reference documents: MIL-STD-202G Method 108A	 No. case deformation or change in appearance △L/L≤10% △Q/Q≤30% △RDC/RDC≤10% N= High temperature set 	Temperature : 80°C ±2°C Test time : 96±2 hrs Tested not less than 1 hour, nor more than 2 hours at room mperature Temp N°C High temperature Room Temp 0 96H 97H 98H Time		
Low Temperature Storage Test Reference documents: IEC 68-2-1A	 No. case deformation or change in appearance △L/L≤10% or 15% △Q/Q≤30% △RDC/RDC≤10% M= Low temperature set 	Temperature : -20°C ±2°C Test time : 96±2 hrs Tested not less than 1 hour, nor more than 2 hours at room temperature Room Temp O 96H Test 97H 98H Time Low temperature		
Humidity Test Reference documents: MIL-STD-202G Method 103B	 No. case deformation or change in appearance △L/L≤10% △Q/Q≤30% △RDC/RDC≤10% 	Temperature: 40±2°C, Humidity: 93%±3% RH Test time: 96±2 hrs Tested not less than 1 hour, nor more than 2 hours at room temperature Temp 40°C 93%RH High Temperature High humidity 10 96H 97H 98H Time		
Thermal shock Test Reference documents: MIL-STD-202G Method 107G	 No. case deformation or change in appearance △L/L≤10% or 15% △Q/Q≤30% △RDC/RDC≤10% For T: weig ≤28g: 15Min; 28g≤weight≤136g: 30Min M= Low temperature set N= High temperature set 	First -40°C for time, last 80°C for T time as 1 cycle. Go through 20 cycle. Temp Change time<30s N°C Time		



Reliability Performance

Physical Characteristic tests

Test Item	Accept Criteria	Test Conditions
Solderability Test Reference documents: MIL-STD-202G Method 208H IPC J-STD-002D	Terminals area must have 95% min. solder coverage	 Dip pads in flux then dip in pot at 245±5° for 5 seconds Solder : lead free Flux : rosin flux
Heat endurance of Reflow soldering Reference documents: MIL-STD-202G Method 210F	 No. case deformation or change in appearance △L/L≤10% △Q/Q≤30% △RDC/RDC≤10% 	1. Refer reflow curve Go through 2 time 2. The peak temperature : 260+0/-5°C Temp(°C) 300- Peak Temp 260+0/-5°C Peak Temp 260+0/-5°C Peak Temp 260+0/-5°C
Vibration Test Reference documents: MIL-STD-202G Method 201A	 No. case deformation or change in appearance △L/L≤10% △Q/Q≤30% △RDC/RDC≤10% 	Apply frequency 10~55~10Hz 1.5mm amplitude in each of perpendicular direction for 2 hours. (total 6 hours)
Drop test Reference documents: MIL-STD-202G Method 203C	 No. case deformation or change in appearance △L/L≤10% or 15% △Q/Q≤30% △RDC/RDC≤10% 	Packaged & Drop down form 1m with 981m/s² (100G) attitude In 1 ange 1 ridges & 2 surfaces orientations
Terminal strength Reference documents: IEC 65-2-21:1992 Test A & C	Terminal should not come out Meet require test condition A & C For: Wire-leaded components - Test A & C For: Others leaded components - Test A	A. Pull Force:0.45kg; the force shall be applied gradually to the terminal and then maintained for 10 seconds. C. Wire-lead bend:0.23kg,The rate of bending shall be approximately 3 seconds per bend in each direction. The load shall be suspended at a point within 1/4 inch from the free end of the terminal. F Pulling test Bending test
Resistance to solvent test Reference documents: IEC 68-2-45:1993	No case deformation or change in appearance, or obliteration of marking	To dip parts into IPA solvent for $5\pm$ 0.5Min, then drying them at room temp for 5Min, at last, to brushing making 10 times.



Reliability Performance

Electrical Characteristic tests

Test Item	Accept Criteria	Test Conditions
Electrical Characteristic tests major products	Refer to catalogue of specific products	Refer to catalogue of specific products
Overload test	During the test no smoke, no peculiar, smell, no fire The Characteristic is normal after test	Apply twice as rated current for 5 minutes
Reference documents: JIS C5311-6.13		
Voltage resistance test	During the test no breakdown The Characteristic is normal after test	1. For parts with two coils 2. DC 1000V, Current : 1mA, Time : 1Min.
Reference documents: MIL-STD-202G Method 301		pours in the normal temperature and humidity

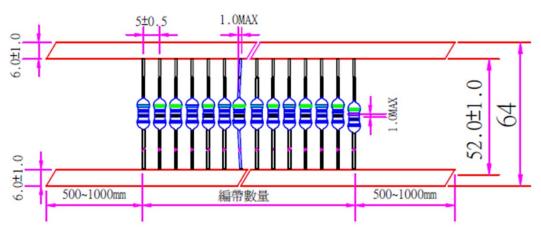
A test is made under the conditions mentioned above. And it is left 1 hours in the normal temperature and humidity. After that, no mechanical and electrical defeat should be found out.

The reflow condition is according to the machine used by our company.

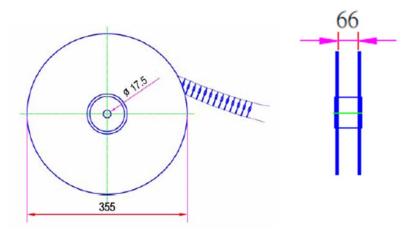


Packaging Information

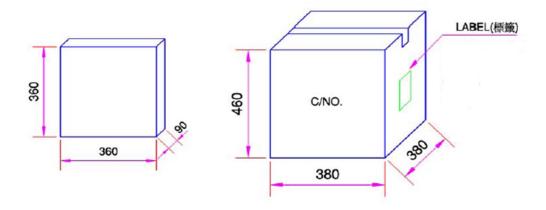
• Tape Dimension: (UNIT: mm)



• Reel Dimension:(UNIT: mm)



• Outside Carton Dimension:(UNIT: mm)



• Packing Quantity:

SERIES	PARTS / REEL	PARTS / CARTON	GROSS WEIGHT
EC 36	5000pcs	25000pcs	16Kg