APPLICABLE STANDARD				
RATING	OPERATING TEMPERATURE RANGE	-55 °C TO +85 °C (1) (2)	STORAGE TEMPERATURE RANGE	-10 °C TO +60 °C (3)
	OPERATING HUMIDITY RANGE	RH 90 % MAX (2) (4)	STORAGE HUMIDITY RANGE	RH 70 % MAX (3) (4)
	VOLTAGE	300 V DC/AC	CURRENT	60A (TEMPERATURE RISE 30°C MAX)

SPECIFICATIONS

ITEM	TEST METHOD	REQUIREMENTS	QT	AT
CONSTRUCTION				
GENERAL EXAMINATION	VISUAL AND WITH MEASURING INSTRUMENT	ACCORDING TO DRAWING	×	×
MARKING	CONFIRMED VISUALLY		×	×
ELECTRIC CHARACTERISTICS				
CONTACT RESISTANCE [EIA-364-23]	100 mA AND 20 mV OPEN CIRCUIT MAX.	2 mΩ MAX.(5) MATED WITH IT-PM-2S-DIR IT-PD-2S-DIR	×	
INSULATION RESISTANCE [EIA-364-21]	500 V DC	1000 MΩ MIN.	×	
VOLTAGE PROOF [EIA-364-20]	1000 V AC FOR 1 MINUTE	NO FLASHOVER OR BREAKDOWN.	×	
MECHANICAL CHARACTERISTICS				
INSERTION AND WITHDRAWAL FORCES [EIA-364-13]	MEASURED WITH RESPECT TO APPLICABLE CONNECTORS	INSERTION FORCE: 50 N MAX. WITHDRAWAL FORCE: 3 N MIN.	×	
MECHANICAL OPERATION [EIA-364-09]	100 TIMES INSERTION AND EXTRACTION	① CONTACT RESISTANCE: 2 mΩ MAX. (5) ② NO DAMAGE, CRACKS, OR LOOSE PARTS	×	
RANDOM VIBRATION [EIA-364-28]	FREQUENCY: 50 TO 2000 Hz POWER SPECTRAL DENSITY: 0.1 g^2/Hz FOR 90 MINUTES IN THREE DIRECTIONS ＊Spacers were used to maintain the distance between the PCB's during testing.	① NO ELECTRICAL DISCONTINUITY OF 1 μs OR MORE ② NO DAMAGE, CRACKS, OR LOOSE PARTS	×	
SHOCK [EIA-364-27]	490 m/s^2, DURATION OF PULSE: 11 ms 18 TIMES TOTAL, 3 EACH DIRECTION, 3 AXIS ＊Spacers were used to maintain the distance between the PCB's during testing.		×	
ENVIRONMENTAL CHARACTERISTICS				
THERMAL SHOCK [EIA-364-32]	TEMPERATURE: -55 →20 ~ 35 → 85 →20 ~ 35 °C TIME: 30 → 5 MAX → 30 → 5 MAX minutes 10 CYCLES	① CONTACT RESISTANCE: 2 mΩ MAX. (5) ② INSULATION RESISTANCE: 100 MΩ MIN. ③ NO DAMAGE, CRACKS, OR LOOSE PARTS	×	
CYCLIC TEMPERATURE AND HUMIDITY [EIA-364-31]	@ 25 °C, 80% RH: 60 MIN DWELL TIME 30 MIN RAMP TIME @ 65 °C, 50% RH: 60 MIN DWELL TIME 24 CYCLES			
DRY HEAT [EIA-364-17]	EXPOSED AT 105 °C, 120 hr	① CONTACT RESISTANCE: 2 mΩ MAX. (5) ② NO DAMAGE, CRACKS, OR LOOSE PARTS	×	
MIXED FLOWING GAS [EIA-364-65]	EXPOSED AT 30 °C, 70% Cl_2: 10 ppb, NO_2: 200 ppb, H_2S: 10 ppb, SO_2: 100 ppb UNMATED 7 DAYS, MATED 7 DAYS	① CONTACT RESISTANCE: 2 mΩ MAX. (5) ② NO HEAVY CORROSION	×	

	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
△					

REMARKS

(1) INCLUDE TEMPERATURE RISE CAUSED BY CURRENT-CARRYING.
(2) OPERATING TEMPERATURE SHOULD BE -55 TO 55°C WHEN HUMIDITY EXCEEDS 80% RH.
(3) "STORAGE" MEANS A LONG-TERM STORAGE STATE FOR THE UNUSED PRODUCT BEFORE ASSEMBLY TO PCB.
(4) NO DEW CONDENSATION IS PERMITTED.
(5) THE VALUE OF CONTACT RESISTANCE INCLUDES 2 CONTACT POINTS AND THE BULK RESISTANCE.

APPROVED	B.MACKILLOP	13.11.27
CHECKED	TM.MATSUO	13.11.26
DESIGNED	R.MIKLINSKI	13.11.26
DRAWN	J.HUANG	13.01.10

Note: QT:Qualification Test AT:Assurance Test X:Applicable Test

DRAWING NO. ELC4-349549-01

HRS

SPECIFICATION SHEET

HIROSE ELECTRIC CO., LTD.

PART NO. IT-P-2P-25H(11)

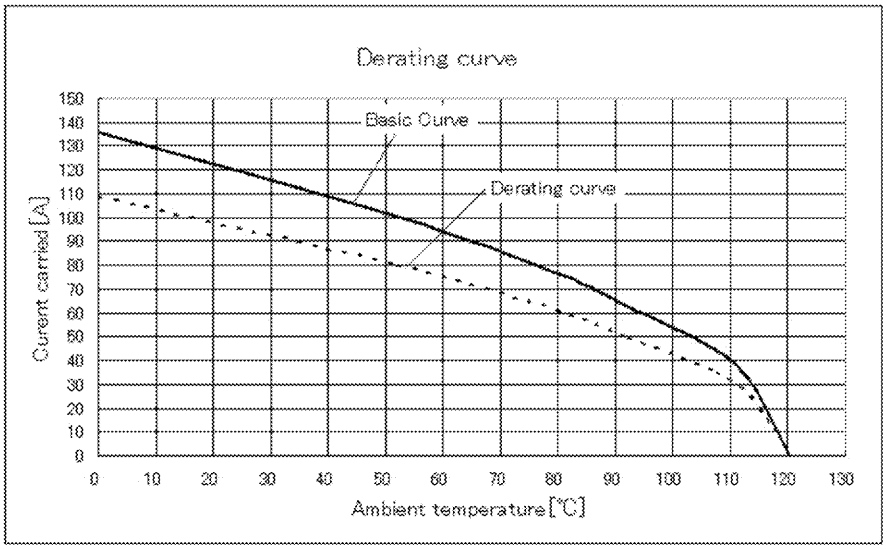
CODE NO. CL636-0607-6-11 △0

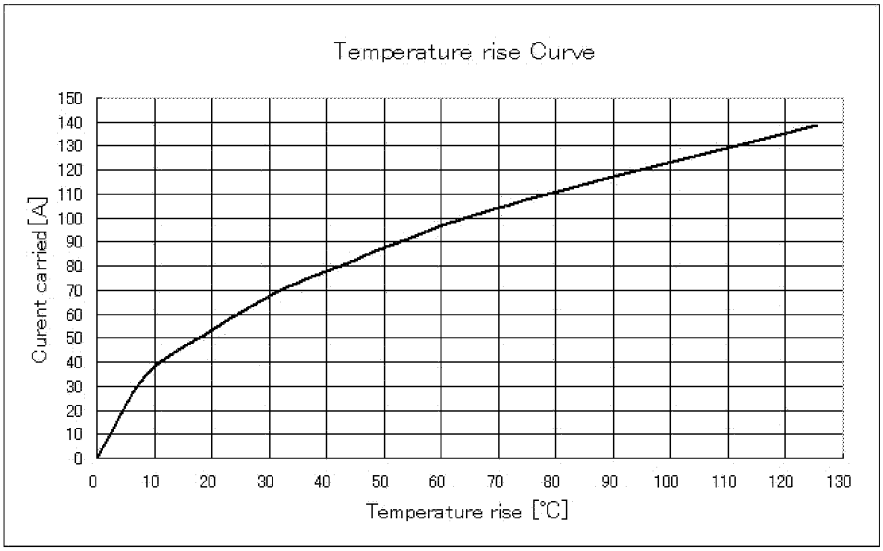
FORM HD0011-2-1

SPECIFICATIONS

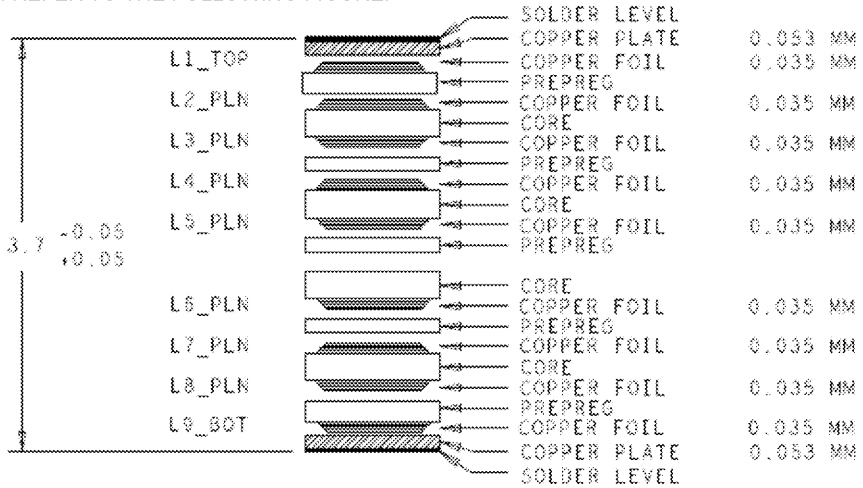
ITEM	TEST METHOD	REQUIREMENTS	QT	AT

【REFERENCE】DERATING CURVE AND TEMPERATURE RISE CURVE





<TEST BOARD CONDITIONS>
SIZE : 80 x 68 x t3.7 mm (9 LAYERS PCB)
MATERIAL : GLASS FIBER, EPOXI RESIN (FR-4)
COMPOSITION : REFER TO THE FOLLOWING FIGURE.



Note QT:Qualification Test AT:Assurance Test X:Applicable Test	DRAWING NO.	ELC4-349549-01		
HRS SPECIFICATION SHEET	PART NO.	IT-P-2P-25H(11)		
HIROSE ELECTRIC CO., LTD.	CODE NO	CL636-0607-6-11	⚠0	2/2