

CUSTOMER: Wolfspeed, a Cree Company		SPECIFICATION		TYPE PQ5040/CE
SYMBOL	DATE	REQUEST NO.	REVISIONS	CLIENT

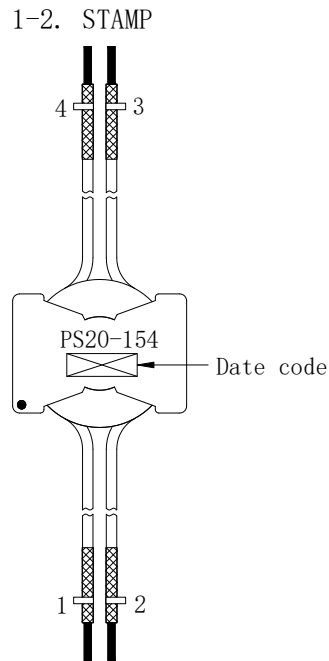
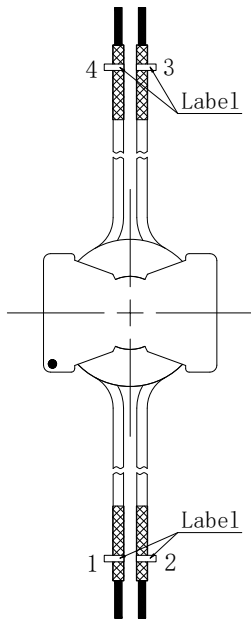
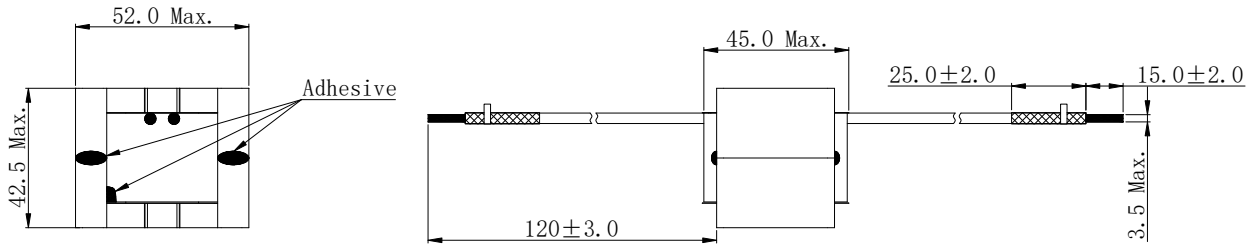
NOTE:	SPEC. NO. PS20-154 1/3
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# SPECIFICATION

TYPE  
PQ5040/CE

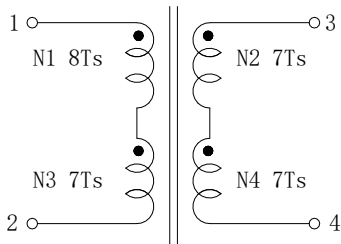
## 1. Appearance

### 1-1. Dimension (mm)



## 2. Coil specification

### 2-1. Connection



**RoHS**  
Compliance  
Cd: Max. 0.01wt%  
others: Max. 0.1wt%

“●” indicates the winding polarity.

CHK.	CHK.	DRG.	Sumida P/N	PS20-154	
			Customer P/N	TBD	Spec. No. PS20-154
			First Issue	Aug., 18 <sup>th</sup> , 2020	

# SPECIFICATION

TYPE  
PQ5040/CE

2-2. electrical characteristics (At 25°C unless otherwise specified)

Item	Pin	Specification	Measuring conditions
Inductance	(1-2)	60.0uH $\pm$ 15%	100kHz, 0.1V
Leakage inductance	(1-2)	2.5uH Max.	100kHz, 0.1V Tie (3+4)
DCR	(1-2)	13.0m $\Omega$ Max.	
	(3-4)	14.5m $\Omega$ Max.	
Turns ratio	(1-2) : (3-4)	1.0 : 0.933 $\pm$ 3%	20kHz, 1V
Hi-pot	(1, 2-3, 4)	AC 3000Vrms	1.0mA, 60Sec.
Hi-pot	(3, 4-Core)	AC 3000Vrms	1.0mA, 60Sec.

3. Materials list:

The materials according to OBJY2 E176884 system designation 155(F), F3.

No.	Part No.	Material	UL file No.	Manufacture factory
1	CORE	TPW33 3C95 DMR95	N/A N/A N/A	TDG FERROXCUBE DMEGC
2	WIRE 2	Triple Insulated Litz Wire, AWG38, 400 strands Litz Wire must be NEMA MW 79-C or MW 80-C	E211989	GREAT LEOFロン INDUSTRIAL CO LTD
3	NOMEX	410	E34739	DUPONT SPECIALTY PRODUCTS USA, LLC
4	TAPE	CT	E165111	JINGJIANG YAHUA PRESSURE SENSITIVE GLUE CO LTD
5	TUBE	TFL	E156256	GREAT HOLDING INDUSTRIAL CO LTD
6	EPOXY	XNR3622SR	N/A	Nagase Chemtex Corporation
7	VARNISH	WP2950F-2GY	E72979	HITACHI CHEMICAL CO LTD

4. Note

- \* Operation temperature range: -40°C ~ +125°C. (Including the temperature rise of coil)
- \* Storage temperature range: -40°C ~ +125°C.

Note:	Spec. No. PS20-154 3/3
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