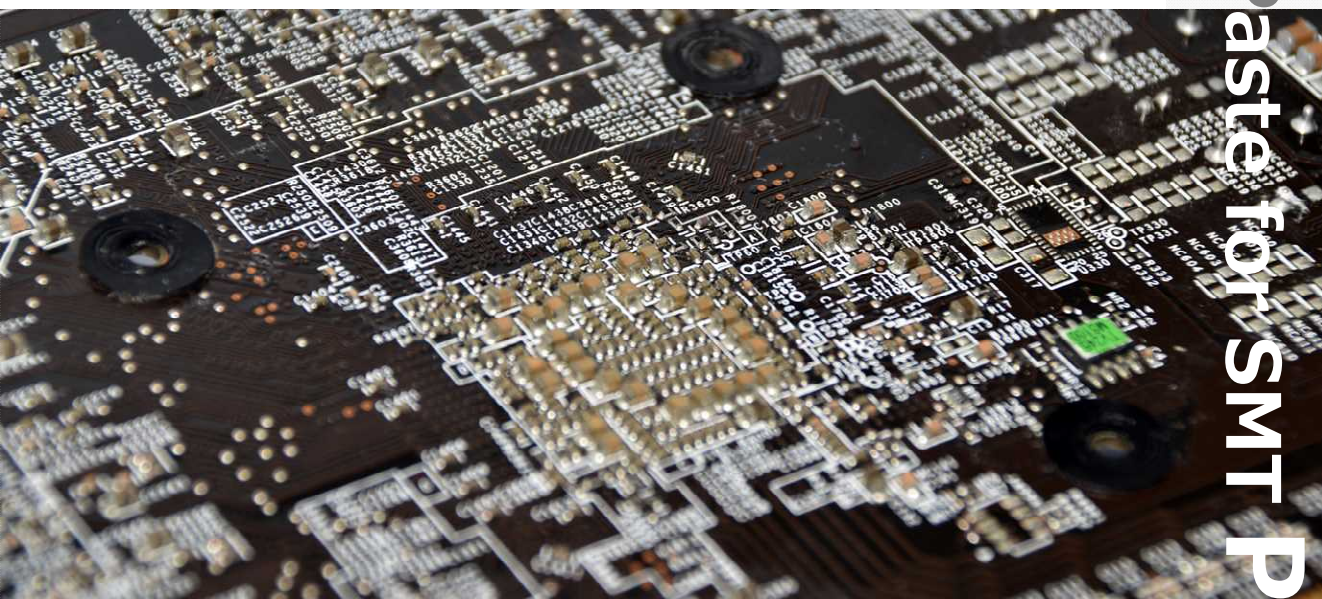


Lead free solder paste for SMT

PF305-155T0

Halogen-free High-performance Solder Paste

- High-performance general-purpose product for versatile application
- High void suppression effect at back electrodes
- Prevent chip-side balls



Solder Paste for SMT PF305-155T0

● General Characteristic

Item	Representative value	Test method	
Alloy Composition	Sn-3.0Ag-0.5Cu	JIS Z 3282	
Particle Size	20 to 38μm	—	
Flux Content	11.5wt%	JIS Z 3197	
Halide Content	0.03%	JIS Z 3197	
Flux Type	ROLO	IPC J-STD-004	
Copper Plate Corrosion Test	No Corrosion	JIS Z 3197	
Silver Chromate Paper Test	No Change	JIS Z 3197	
Corrosion Test with Copper Mirror	No Change to Copper Mirror	JIS Z 3197	
Insulation Resistance Test	40°C90%RH after 168H	1.0×10 ¹¹ Ω or more	JIS Z 3197
	85°C85%RH after 168H	5.0×10 ⁸ Ω or more	JIS Z 3197
Tack time at 100gf or more	24 hours	JIS Z 3284	
Fluid Characteristics	Viscosity	200 Pa · s	JIS Z 3284
	Ti-value	0.55	JIS Z 3284

The above figures are representative values, not guaranteed specification. [Available customization for alloy composition, particle size and flux content.](#)

Please ask our sales staff for more details.

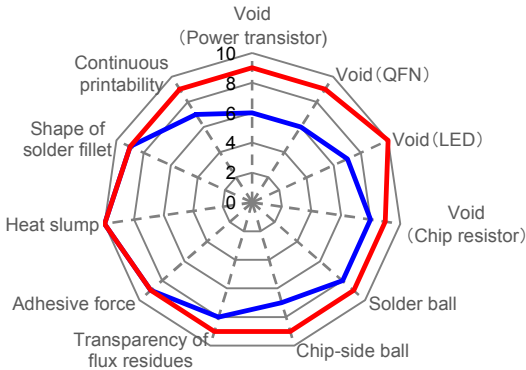
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Lead free solder paste for SMT

PF305-155TO

Halogen-free High-performance Solder Paste

High-performance general-purpose product for versatile application



- Low void performance regardless of parts or plating
 - Reducing chip-side balls
 - Good workability with high tackiness and good printed shape
- Superior performance applicable with versatile requirements thanks to advanced technology of flux

—PF305-155TO
—Conventional product

High void suppression effect at back electrodes

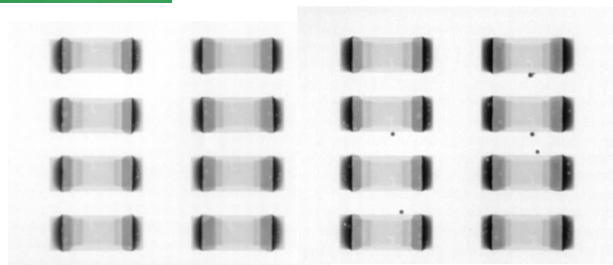
Reducing void-occurrence to apply power transistor, LED and QFN packages

Power transistor		LED		QFN	
PF305-155TO	Conventional product	PF305-155TO	Conventional product	PF305-155TO	Conventional product
4.5mm		2.7mm		2.1mm	
PF305-155TO		PF305-155TO		PF305-155TO	

[Test Condition] Reflow : Air ; Thickness of stencil : 0.1mm; Preheat Temp. : 150 to 190deg. C, 100sec. ; Peak Temp. : 240deg. C, 40sec. or more for 220deg. C

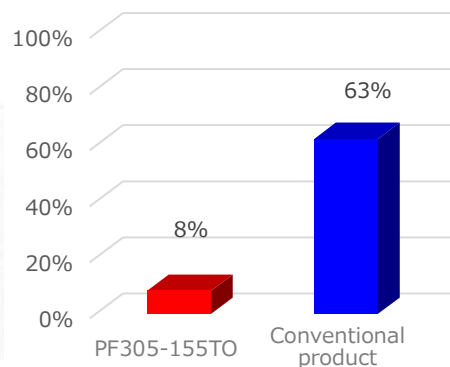
Reducible occurrence of chip-side balls

Chip side balls can be restrained even with excessive volume of paste and much pressed chip



PF305-155TO

Conventional product



Ratio to appear chip-side ball

[Test Condition] Reflow : Air; Preheat temp. : 150 to 190deg. C for 100sec.; Peak temp. : for 240°C, 40sec. For 220deg.C or more; Mask Thickness : 0.2mm; Parts : 3216 Resistor; Push le : 0.2mm

Solder Paste for SMT PF305-155TO