

**EVASOL**

**J3-ESM-3**

Sn-Ag-Cu series

Pb free resin flux cored wire solder

EVASOL is our product name for flux cored Pb-free wire solder.  
This product is superior to solderability and also it allows high-reliability soldering.  
as flux cored wire solder.

Table .Characteristics

Items	Characteristics	Test method
Alloy composition (%)	Sn:Balance, Ag:3.0, Cu:0.5	Allowable impurity level is based on JIS Z 3282 class-A
Solidus temperature(□)	217	DSC (Differential Scanning Calorimetry)
Liquidus temperature(□)	220	
Flux contents(mass %)	3. 0	JIS Z 3197 8.1.2
Chlorine contents(mass%)	0. 16	JIS Z 3197 8.1.4.2.1
Fluoride contents(mass%)	0. 33	JIS Z 3197 8.1.4.2.4
Copper plate corrosion test	Passed	JIS Z 3197 8.4.1
Insulation resistance test(Ω)	More than 1. 0×10 <sup>8</sup>	JIS Z 3197 8.5.3 JIS type, 85°C-85%RH, 168h, measured with DC100V inside of chamber
Migration test	Passed	JIS Z 3197 8.5.3 JIS type, 85°C-85%RH, 1000h, applied with DC48V, visual check
Aqueous solution resistance test(Ωm)	More than 700	JIS Z 3197 8.1.1
Dryness test	Passed	JIS Z 3197 8.5.1
Spreading factor test(%)	78	JIS Z 3197 8.3.1.1
Flux scattering factor(%)	5. 4	JIS Z 3197 8.3.2.1
Remarks	JIS Z 3197:1999 Testing method for soldering fluxes	

The above data is representative value.