

## Plated Single Layer

### Ag/Al (Silver/Aluminum)

Part No.	Nominal Thicknesses	
	$\mu\text{in}$	$\mu\text{m}$
SAG200AL999	200	5
SAG400AL999	400	10
SAG800AL999	800	20
SAG1000AL999	1000	25

### Ag/Cu (Silver/Copper)

Part No.	Nominal Thicknesses	
	$\mu\text{in}$	$\mu\text{m}$
SAG4CU999	4	0.10
SAG10CU999	10	0.25
SAG30CU999	30	0.75
SAG60CU999	60	1.5
SAG100CU999	100	2.5
SAG120CU999	120	3.0
SAG150CU999	150	3.75
SAG350CU999	350	8.75
SAG500CU999	500	12.5
SAG600CU999	600	15
SAG800CU999	800	20
SAG1000CU999	1000	25
SAG1200CU999	1200	30
SAG2000CU999	2000	50

**Ag/Kovar**  
**(Silver/Kovar)**

Part No.	Nominal Thicknesses	
	μin	μm
SAG60KVR999	60	1.5
SAG150KVR999	150	3.75
SAG350KVR999	350	8.75
SAG450KVR999	450	11.2
SAG650KVR999	650	16.2
SAG800KVR999	800	20
SAG1000KVR999	1000	25
SAG2000KVR999	2000	50

**Ag/Ni**  
**(Silver/Nickel)**

Part No	Nominal Thicknesses	
	μin	μm
SAG40NI999	40	1.0
SAG160NI999	160	4.0

**Au/Ag**  
**(Gold/Silver)**

Part No.	Nominal Thicknesses	
	μin	μm
SAU10AG999	10	0.25
SAU20AG999	20	0.50
SAU60AG999	60	1.5
SAU200AG999	200	5.0

**Au/Al**  
**(Gold/Aluminum)**

Part No.	Nominal Thicknesses	
	μin	μm
SAU10AL999	10	0.25
SAU20AL999	20	0.50
SAU80AL999	80	2.0
SAU200AL999	200	5.0

**Au/Kovar**  
**(Gold/Kovar)**

Part No	Nominal Thicknesses	
	μin	μm
SAU10KVR999	10	0.25
SAU20KVR999	20	0.50
SAU50KVR999	50	1.25
SAU90KVR999	90	2.25
SAU200KVR999	200	5.0
SAU300KVR999	300	7.5

**Au/Ni**  
**(Gold/Nickel)**

Part No	Nominal Thicknesses	
	μin	μm
SAU4NI999	4	0.10
SAU10NI999	10	0.25
SAU20NI999	20	0.50
SAU30NI999	30	0.75
SAU40NI999	40	1.0
SAU50NI999	50	1.25
SAU60NI999	60	1.5
SAU90NI999	90	2.25
SAU100NI999	100	2.5
SAU120NI999	120	3.0
SAU200NI999	200	5.0
SAU300NI999	300	7.5

**Bi/Cu**  
**(Bismuth/Copper)**

Part No	Nominal Thicknesses	
	$\mu\text{in}$	$\mu\text{m}$
SBI20CU999	20	0.50
SBI50CU999	50	1.25
SBI100CU999	100	2.5
SBI150CU999	150	3.75
SBI200CU999	200	5.0
SBI250CU999	250	6.25
SBI300CU999	300	7.5
SBI400CU999	400	10

**Cd/Al**  
**(Cadmium/Aluminum)**

Part No	Nominal Thicknesses	
	$\mu\text{in}$	$\mu\text{m}$
SCD250AL999	250	6.25
SCD350AL999	350	8.75
SCD900AL999	900	22.5
SCD1200AL999	1200	30

**Cd/Cu**  
**(Cadmium/Copper)**

Part No	Nominal Thicknesses	
	$\mu\text{in}$	$\mu\text{m}$
SCD40CU999	40	1.0
SCD100CU999	100	2.5
SCD200CU999	200	5.0
SCD300CU999	300	7.5
SCD600CU999	600	15
SCD800CU999	800	20
SCD1000CU999	1000	25

**Cd/Fe**  
**(Cadmium/Iron or Steel)**

Part No	Nominal Thicknesses	
	μin	μm
SCD50FE999	50	1.25
SCD150FE999	150	3.75
SCD250FE999	250	6.25
SCD400FE999	400	10
SCD500FE999	500	12.5
SCD800FE999	800	20
SCD1000FE999	1000	25
SCD1500FE999	1500	37.5
SCD2000FE999	2000	50

**Cr/Cu**  
**(Cromium/Copper)**

Part No	Nominal Thicknesses	
	μin	μm
SCR60CU999	60	1.5
SCR80CU999	80	2.0
SCR200CU999	200	5.0
SCR400CU999	400	10
SCR600CU999	600	15
SCR1000CU999	1000	25

**Cr/Fe**  
**(Chromium/Iron or Steel)**

Part No	Nominal Thicknesses	
	μin	μm
SCR80FE999	80	2.0
SCR150FE999	150	3.75
SCR500FE999	500	12.5
SCR600FE999	600	15
SCR800FE999	800	20

**Cu/Al**  
**(Copper/Aluminum)**

Part No	Nominal Thicknesses	
	μin	μm
SCU50AL999	50	1.25
SCU100AL999	100	2.5
SCU170AL999	170	4.25
SCU400AL999	400	10
SCU1000AL999	1000	25

**Cu/Epoxy**  
**(Copper/Epoxy)**

Part No	Nominal Thicknesses	
	μin	μm
SCU60EPOXY999	60	1.5
SCU100EPOXY999	100	2.5
SCU150EPOXY999	150	3.75
SCU250EPOXY999	250	6.25
SCU350EPOXY999	350	8.75
SCU500EPOXY999	500	13
SCU650EPOXY999	650	16.25
SCU1000EPOXY999	1000	25

**Cu/Fe**  
**(Copper/Iron or Steel)**

Part No	Nominal Thicknesses	
	μin	μm
SCU30FE999	30	0.75
SCU80FE999	80	2.0
SCU100FE999	100	2.5
SCU200FE999	200	5.0
SCU400FE999	400	10
SCU600FE999	600	15
SCU800FE999	800	20
SCU1000FE999	1000	25

**Cu/Kovar**  
**(Copper/Kovar)**

Part No	Nominal Thicknesses	
	μin	μm
SCU100KVR999	100	2.5
SCU350KVR999	350	8.75

**Ni/Al**  
**(Nickel/Aluminum)**

Part No	Nominal Thicknesses	
	μin	μm
SNI20AL999	20	0.50
SNI60AL999	60	1.5
SNI100AL999	100	2.5
SNI150AL999	150	3.75
SNI250AL999	250	6.25
SNI750AL999	750	18.75
SNI900AL999	900	22.5

**Ni/Cu**  
**(Nickel/Copper)**

Part No	Nominal Thicknesses	
	μin	μm
SNI10CU999	10	0.25
SNI20CU999	20	0.50
SNI40CU999	40	1.0
SNI50CU999	50	1.25
SNI60CU999	60	1.5
SNI80CU999	80	2.0
SNI100CU999	100	2.5
SNI120CU999	120	3.0
SNI200CU999	200	5.0
SNI300CU999	300	7.5
SNI400CU999	400	10
SNI600CU99	600	15
SNI800CU999	800	20

**Ni/Fe**  
**(Nickel/Iron or Steel)**

Part No	Nominal Thicknesses	
	$\mu\text{in}$	$\mu\text{m}$
SNI70FE999	70	1.75
SNI100FE999	100	2.5
SNI150FE999	150	3.75
SNI200FE999	200	5.0
SNI400FE999	400	10
SNI700FE99	700	17.5
SNI900FE999	900	22.5
SNI1000FE999	1000	25

**Ni/Kovar**  
**(Nickel/Kovar)**

Part No	Nominal Thicknesses	
	$\mu\text{in}$	$\mu\text{m}$
SNI25KVR999	25	0.625
SNI50KVR999	50	1.25
SNI100KVR999	100	2.5
SNI200KVR999	200	5.0
SNI400KVR999	400	10
SNI700KVR999	700	17.5



## Ni-P/Al (Electroless Nickel/Aluminum) Non-Certified Phosphorus\*

Part No	Nominal Thicknesses		Nominal Compositions	
	μin	μm	%P	%Ni
SNIP70-94AL999	70	1.8	6	94
SNIP140-94AL999	140	3.5	6	94
SNIP125-92AL999	125	3.1	8	92
SNIP150-92AL999	150	3.8	8	92
SNIP175-92AL999	175	4.4	8	92
SNIP200-92AL999	200	5.0	8	92
SNIP250-92AL999	250	6.3	8	92
SNIP375-92AL999	375	9.4	8	92
SNIP450-92AL999	450	11.3	8	92
SNIP500-92AL999	500	12.5	8	92
SNIP650-92AL999	650	16.3	8	92
SNIP750-92AL999	750	18.8	8	92
SNIP120-90AL999	120	3.0	10	90
SNIP200-90AL999	200	5.0	10	90
SNIP250-90AL999	250	6.3	10	90
SNIP400-90AL999	400	10	10	90
SNIP575-90AL999	575	14.4	10	90

## Ni-P/Cu (Electroless Nickel/Copper) Non-Certified Phosphorus\*

Part No	Nominal Thicknesses		Nominal Compositions	
	μin	μm	%P	%Ni
SNIP150-92CU999	150	3.8	8	92
SNIP300-92CU999	300	7.5	8	92
SNIP400-92CU999	400	10	8	92
SNIP500-92CU999	500	12.5	8	92
SNIP700-92CU999	700	17.5	8	92
SNIP1000-92CU999	1000	25	8	92
SNIP60-90CU999	60	1.5	10	90
SNIP80-90CU999	80	2.0	10	90
SNIP100-90CU999	100	2.5	10	90
SNIP140-90CU999	140	3.5	10	90
SNIP130-88CU999	130	3.3	12	88
SNIP230-88CU999	230	5.8	12	88
SNIP350-88CU999	350	8.8	12	88
SNIP450-88CU999	450	11.3	12	88
SNIP1200-88CU999	1200	30	12	88

## Ni-P/Fe (Electroless Nickel/Iron or Steel) Non-Certified Phosphorus\*

Part No	Nominal Thicknesses		Nominal Compositions	
	μin	μm	%P	%Ni
SNIP80-96FE999	80	2.0	4	96
SNIP125-96FE999	125	3.1	4	96
SNIP150-96FE999	150	3.8	4	96
SNIP200-96FE999	200	5.0	4	96
SNIP240-96FE999	240	6.0	4	96
SNIP350-96FE999	350	8.8	4	96
SNIP450-96FE999	450	11.3	4	96
SNIP550-96FE999	550	13.8	4	96
SNIP80-94FE999	80	2.0	6	94
SNIP100-94FE999	100	2.5	6	94
SNIP120-94FE999	120	3.0	6	94
SNIP150-94FE999	150	3.8	6	94
SNIP220-94FE999	220	5.5	6	94
SNIP360-94FE999	360	9.0	6	94
SNIP400-94FE999	400	10	6	94
SNIP500-94FE999	500	12.5	6	94
SNIP600-94FE999	600	15	6	94
SNIP750-94FE999	750	18.8	6	94

\*For Ni-P with Certified %P see Plated Alloys

## Ni-P/Fe (Electroless Nickel/Iron or Steel) Non-Certified Phosphorus\*

Part No	Nominal Thicknesses		Nominal Compositions	
	μin	μm	%P	%Ni
SNIP100-92FE999	100	2.5	8	92
SNIP150-92FE999	150	3.8	8	92
SNIP200-92FE999	200	5.0	8	92
SNIP250-92FE999	250	6.3	8	92
SNIP300-92FE999	300	7.5	8	92
SNIP350-92FE999	350	8.8	8	92
SNIP400-92FE999	400	10	8	92
SNIP450-92FE999	450	11.3	8	92
SNIP500-92FE999	500	12.5	8	92
SNIP600-92FE999	600	16	8	92
SNIP800-92FE999	800	20	8	92
SNIP100-90FE999	100	2.5	10	90
SNIP120-90FE999	120	3.0	10	90
SNIP160-90FE999	160	4.0	10	90
SNIP200-90FE999	200	5.0	10	90
SNIP250-90FE999	250	6.3	10	90
SNIP350-90FE999	350	8.8	10	90
SNIP400-90FE999	400	10	10	90
SNIP450-90FE999	450	11.3	10	90
SNIP500-90FE999	500	12.5	10	90
SNIP700-90FE999	700	17.5	10	90
SNIP800-90FE999	800	20	10	90

\*For Ni-P with Certified %P see Plated Alloys

## Pd/Cu (Palladium/Copper)

Part No.	Nominal Thicknesses	
	μin	μm
SPD4CU999	4	0.10
SPD10CU999	10	0.25
SPD20CU999	20	0.50
SPD40CU999	40	1.0
SPD60CU999	60	1.5

**Pd/Ni**  
**(Palladium/Nickel)**

Part No.	Nominal Thicknesses	
	μin	μm
SPD20NI999	20	0.50
SPD40NI999	40	1.0
SPD80NI999	80	2.0
SPD120NI999	120	3.0
SPD200NI999	200	5.0

**Rh/Ni**  
**(Rhodium/Nickel)**

Part No.	Nominal Thicknesses	
	μin	μm
SRH20NI999	20	0.50
SRH40NI999	40	1.0
SRH80NI999	80	2.0
SRH100NI999	100	2.5

**Sn/Al**  
**(Tin/Aluminum)**

Part No.	Nominal Thicknesses	
	μin	μm
SSN2AL999	2	0.05
SSN4AL999	4	0.10
SSN10AL999	10	0.25
SSN20AL999	20	0.50
SSN40AL999	40	1.0
SSN80AL999	80	2.0
SSN120AL999	120	3.0
SSN200AL999	200	5.0
SSN450AL999	450	11.25
SSN600AL999	600	15
SSN800AL999	800	20

**Sn/Cu**  
**(Tin/Copper)**

Part No.	Nominal Thicknesses	
	μin	μm
SSN4CU999	4	0.10
SSN10CU999	10	0.25
SSN20CU999	20	0.50
SSN40CU999	40	1.0
SSN80CU999	80	2.0
SSN150CU999	150	3.75
SSN200CU999	200	5.0
SSN300CU999	300	7.5
SSN400CU999	400	10
SSN500CU999	500	12.5
SSN600CU999	600	15
SSN800CU999	800	20
SSN1000CU999	1000	25
SSN1200CU999	1200	30
SSN2000CU999	2000	50

**Sn/Fe**  
**(Tin/Iron or Steel)**

Part No.	Nominal Thicknesses	
	μin	μm
SSN40FE999	40	1.0
SSN200FE999	200	5.0
SSN450FE999	450	11.25
SSN650FE999	650	16.25
SSN800FE999	800	20
SSN1400FE999	1400	35
SSN1800FE999	1800	45

**Sn/Kovar**  
**(Tin/KovaAr)**

Part No.	Nominal Thicknesses	
	$\mu\text{in}$	$\mu\text{m}$
SSN30KVR999	30	0.75
SSN60KVR999	60	1.5
SSN100KVR999	100	2.5
SSN120KVR999	120	3.0
SSN200KVR999	200	5.0
SSN600KVR999	600	15
SSN1000KVR999	1000	25
SSN1800KVR999	1800	45

**Zn/Fe**  
**(Zinc/Iron or Steel)**

Part No.	Nominal Thicknesses	
	$\mu\text{in}$	$\mu\text{m}$
SZN100FE999	100	2.5
SZN200FE999	200	5.0
SZN320FE999	320	8.0
SZN400FE999	400	10
SZN500FE999	500	12.5
SZN600FE999	600	15
SZN800FE999	800	20
SZN1000FE999	1000	25
SZN1200FE999	1200	30