

NSFC, NSPC SERIES

STACKED FILM CHIP CAPACITORS

SUB: COMPONENT APPEARANCE

BACKGROUND:

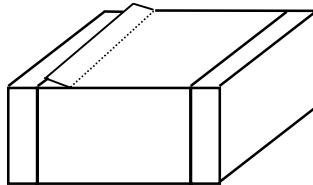
THESE TYPE PRODUCTS ARE HIGH PERFORMANCE STACKED FILM COMPONENT AND AS SUCH CAN PRESENT SOME UNIQUE COSMETIC – APPEARANCE RELATED ISSUES TO SOME USERS.

VISUAL INSPECTION:

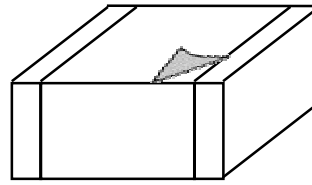
POST SOLDERING INSPECTION OF COMPONENT MAY DETECT SOME OF THE FOLLOWING:

NORMAL IRREGULARITIES

1. MINOR DELAMINATION: <30% OF TOP – COVER LAYER OF PROTECTIVE FILM
2. MINOR CURLING: <30% OF EDGES – CORNERS OF TOP – COVER LAYER OF PROTECTIVE FILM

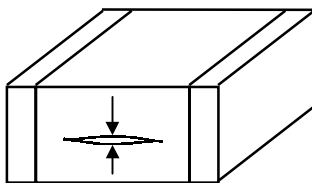


1

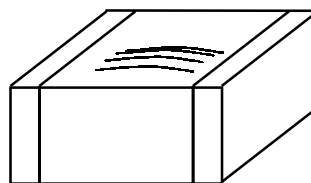


2

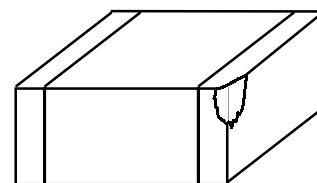
3. SPLITS – SEAMS IN THE SIDE WALLS: LESS THAN 0.1MM WIDE
4. BULGING: <30% OF SURFACE AREA
5. SEPARATION OF END TERMINATION: <25% OF TERMINATION LENGTH



3



4



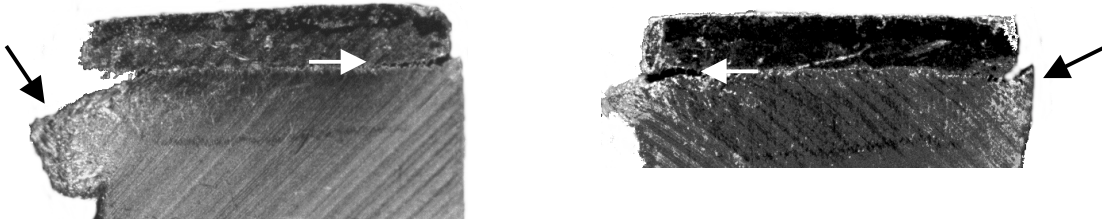
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STACKED FILM CHIP CAPACITORS

SUB: COMPONENT APPEARANCE (CONTINUED)

ABNORMAL SURFACE IRREGULARITIES (SIGNS OF OVER HEATING CONDITION)

1. MAJOR DELAMINATION: >50% OF TOP – COVER LAYER OF PROTECTIVE FILM
2. MAJOR CURLING: >50% OF EDGES – CORNERS OF TOP – COVER LAYER OF PROTECTIVE FILM
3. IRREGULAR SURFACE: RISES – BUMPS – EVIDENCE OF MELTING IN THE TOP – COVER LAYER OF PROTECTIVE FILM
4. BULGING OF COMPONENT BODY: (SEE IMAGES BELOW)
5. SEPARATION OF END TERMINATION FROM BODY ELEMENT: (SEE IMAGES BELOW)



OVERHEATING DEFECTS

