

ROYAL OHM

ISO 9002:1994
Certificate No: OSC-4888

ROYAL ELECTRONIC FTY. (THAILAND) CO.,LTD.

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TO : FARNELL ELECTRONIC COMPONENTS

DATE: JULY 17, 1997

ATTN: MS. VICKI HOUSEMAN CC: EDWARD

REF.: E-970717

FAX : 44-1132 311706

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DEAR VICKI,

GOOD MORNING !

THIS IS IN REPLY TO EDWARD'S REQUEST FOR RELIABILITY TEST FOR
PRODUCT MFR 1/4W(2.5x6.8) 1% 50PPM - VALUE: 10E .

WE HAVE ALSO ADVISED HIM THAT ALL TESTS CAN BE PROVIDED EXCEPT FOR
THE LIFE TEST WHICH WILL REQUIRE AT LEAST ONE MONTH TO 45 DAYS TO
COMPLETE IT.

THE DIELECTRIC NON-WITHSTANDING VOLTAGE TEST CAN BE ALSO BE
COMPLETED AFTER 3 DAYS.

PLEASE FIND THE ATTACHED COPY OF THE TEST RESULTS FOR YOUR
REFERENCE.

BEST REGARDS,
DIANNE

542-908 to 544-103

QAT-201

ROYAL ELECTRONIC FTY. (THAILAND) CO.,LTD.


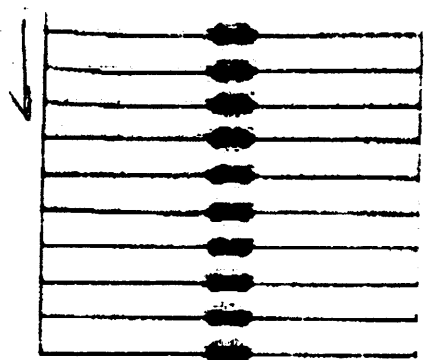
RESISTOR ELECTRICAL CHARACTER TEST

| TEST ITEM | SOLDER DIPPING | | TEST DATE | 17-JUL-1997 |
|----------------|----------------|------------|-----------------|---------------------------------|
| TEST APPARATUS | DB405 | | TEST METHOD | JISC5202 |
| TESTED By | | | -250°C- | SAMPLE |
| CHECKED By | | | max 1/4 in ± 1% | FARNELL |
| TEST RESULT | | | | |
| No. | Test Before | Test After | ΔR (%) | Remark |
| | ICE | ICE | | |
| 1 | -0.20 | -0.21 | -0.01 | <p>According to: JIS or MIL</p> |
| 2 | -0.41 | -0.42 | -0.01 | |
| 3 | -0.28 | -0.29 | -0.01 | |
| 4 | -0.39 | -0.40 | -0.01 | |
| 5 | -0.20 | -0.20 | 0 | |
| 6 | -0.46 | -0.47 | -0.01 | |
| 7 | -0.33 | -0.33 | 0 | |
| 8 | -0.15 | -0.16 | -0.01 | |
| 9 | -0.18 | -0.19 | -0.01 | |
| 10 | -0.08 | -0.09 | -0.01 | |

QAT-201

ROYAL ELECTRONIC FTY. (THAILAND) CO.,LTD.

RESISTOR ELECTRICAL CHARACTER TEST

| TEST ITEM | TEMPERATURE CYCLE | | TEST DATE | 17-JUL-1997 |
|----------------|---|------------|--|--|
| TEST APPARATUS | 28402 | | TEST METHOD | JISC5202 |
| TESTED BY | UDEMPORN | | 55°C 25°C - 85°C 25°C 20 ~ 10 ~ 20 ~ 10 min | SAMPLE |
| CHECKED BY |  | | 102/474 ±1% | FDRCELL |
| TEST RESULT | | | | |
| No. | Test Before | Test After | ΔR(%) | Remark |
| | 10E | 10E | | |
| 1 | -0.39 | -0.39 | 0 | According to: JIS or MIL  |
| 2 | -0.18 | -0.19 | -0.01 | |
| 3 | -0.41 | -0.42 | -0.01 | |
| 4 | -0.46 | -0.47 | -0.01 | |
| 5 | -0.60 | -0.61 | -0.01 | |
| 6 | -0.36 | -0.36 | 0 | |
| 7 | -0.47 | -0.48 | -0.01 | |
| 8 | -0.48 | -0.49 | -0.01 | |
| 9 | -0.36 | -0.37 | -0.01 | |
| 10 | -0.61 | -0.61 | 0 | |