

# **Component-Level Information Packet**

## **for 08590-60117/ 08590-60155**

### **Second Converter and Tripler**

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**HP Part Number 08590-60117**  
**Second Converter**

| Reference Designation | HP Part Number | C D | Qty | Description                              | Mfr Code | Mfr Part Number     |
|-----------------------|----------------|-----|-----|------------------------------------------|----------|---------------------|
| A5                    | 08590-60117    | 1   | 1   | AY-SECOND CONV                           | 28480    | 08590-60117         |
| C5                    | 0160-5435      | 5   | 1   | CAPACITOR-FDTHRU 8.5PF 8% 200V CER       |          | 2425-081-X5E0-809BF |
| C7                    | 0160-3036      | 8   | 1   | CAPACITOR-FDTHRU 5000PF +80 -20% 200V    | 33095    | 54-713-011-X5V-502Z |
| C8                    | 0160-5435      | 5   | 1   | CAPACITOR-FDTHRU 8.5PF 8% 200V CER       |          | 2425-081-X5E0-809BF |
| CR1                   | 1901-0950      | 2   | 1   | DIODE-SCHOTTKY SM SIG                    | 28480    | 1901-0950           |
| CR2                   | 0122-0179      | 4   | 1   | DIODE-VVC 1.2PF C0/C30-TYP=3.8 BVR=30V   | 31091    | DVH6832-62          |
| CR3                   | 1902-0967      | 3   | 1   | DIODE-ZNR 24V 5% D0-35 PD=.4W TC=+.094%  | 04713    |                     |
| J1                    | 1250-1157      | 2   | 1   | CONNECTOR-RF SMA FEM THD-HOLE 50-OHM     | 16179    | 2058-5029-00        |
| J3                    | 1250-0691      | 7   | 1   | CONNECTOR-RF SMB M SGL-HOLE-FR 50-OHM    | 98291    | 051-045-4610-220    |
| J4                    | 1250-0691      | 7   | 1   | CONNECTOR-RF SMB M SGL-HOLE-FR 50-OHM    | 98291    | 051-045-4610-220    |
| J5                    | 1250-0691      | 7   | 1   | CONNECTOR-RF SMB M SGL-HOLE-FR 50-OHM    | 98291    | 051-045-4610-220    |
| L1                    | 9100-2255      | 4   | 1   | INDUCTOR RF-CH-MLD 470NH +-10% .105D-INX | 24226    | 10M470K             |
| L2                    | 08565-80003    | 5   | 1   | COIL, SECOND CONVERTER                   | 28480    | 08565-80003         |
| MP1                   | 08590-20123    | 5   | 1   | BLOCK CAVITY                             | 28480    | 08590-20123         |
| MP4                   | 08590-20127    | 9   | 1   | CAP, INNER ELEMENT                       | 28480    | 08590-20127         |
| MP5                   | 08565-00152    | 7   | 1   | MTG TAB MIXER DIODE                      | 28480    | 08565-00152         |
| MP5                   | 2200-0171      | 4   | 1   | SCREW-MACH 4-40 .75-IN-LG 82 DEG         | 77250    |                     |
| MP7                   | 3030-0397      | 6   | 1   | SCREW-SET 10-32 1-IN-LG FLAT-PT BRS      | 73734    |                     |
| MP8                   | 3030-0397      | 6   | 1   | SCREW-SET 10-32 1-IN-LG FLAT-PT BRS      | 73734    |                     |
| MP9                   | 3030-0397      | 6   | 1   | SCREW-SET 10-32 1-IN-LG FLAT-PT BRS      | 73734    |                     |
| MP10                  | 3030-0397      | 6   | 1   | SCREW-SET 10-32 1-IN-LG FLAT-PT BRS      | 73734    |                     |
| MP11                  | 0380-0573      | 8   | 1   | STANDOFF-HEX .625-IN-LG 10-32-THD        | 06540    | 8396-A-1032-10      |
| MP11                  | 2740-0001      | 3   | 1   | NUT-HEX-DBL-CHAM 10-32-THD .109-IN-THK   | 73734    |                     |
| MP12                  | 2740-0001      | 3   | 1   | NUT-HEX-DBL-CHAM 10-32-THD .109-IN-THK   | 73734    |                     |
| MP13                  | 2740-0001      | 3   | 1   | NUT-HEX-DBL-CHAM 10-32-THD .109-IN-THK   | 73734    |                     |
| MP14                  | 2950-0078      | 9   | 1   | NUT-HEX-DBL-CHAM 10-32-THD .067-IN-THK   | 74163    | 500220              |
| MP15                  | 0360-0043      | 5   | 1   | TERMINAL-SLDR LUG PL-MTG FOR-#6-SCR      | 78584    | 922                 |
| R1                    | 0757-0346      | 2   | 1   | RESISTOR 10 1% .125W TF TC=0+-100        | 91637    | CMF-55-1, T-1       |

*\*Indicates factory-selected value*



**HP Part Number 08590-60155**  
**Tripler**

| Reference Designation | HP Part Number | C<br>D | Qty | Description                              | Mfr Code | Mfr Part Number      |
|-----------------------|----------------|--------|-----|------------------------------------------|----------|----------------------|
| A5A1                  | 08590-60155    | 7      | 1   | BD AY-FREQ TRIP                          | 28480    | 08590-60155          |
| C2                    | 0160-5961      | 2      | 1   | CAPACITOR-FXD 22PF +-5% 50VDC CER 0+-30  |          | GRH40-001C0G220J050C |
| C3                    | 0160-5967      | 8      | 1   | CAPACITOR-FXD 100PF +-5% 50VDC CER 0+-30 |          | GRH40-001C0G101J050C |
| C4                    | 0160-5960      | 1      | 1   | CAPACITOR-FXD 27PF +-5% 50VDC CER 0+-30  |          | GRH40-001C0G270J050C |
| CR1                   | 1902-0048      | 1      | 1   | DIODE-ZNR 6.81V 5% D0-35 PD=.4W          | 04713    |                      |
| L2                    | 9140-1206      | 7      | 1   | INDUCTOR 100NH +-5% 2.8W-MMX3.4LG-MM     | 24226    | SM3-100J             |
| L3                    | 9140-1198      | 6      | 1   | INDUCTOR 22NH +-5% 2.8W-MMX3.4LG-MM Q=40 | 24226    | SM3-022J             |
|                       |                | 3      | 1   |                                          |          |                      |
| Q1                    | 1854-1093      | 5      | 1   | TRANSISTOR NPN SI PD=700MW FT=6GHZ       | 28480    | HXTR-3102            |
| R1                    | 0699-1432      | 5      | 1   | RESISTOR 511 1% .125W TKF TC=0+-100      | 91637    | CRCW1206F            |
| R2                    | 0699-1432      | 5      | 1   | RESISTOR 511 1% .125W TKF TC=0+-100      | 91637    | CRCW1206F            |
| R3                    | 0699-1344      | 8      | 1   | RESISTOR 10 1% .125W TKF TC=0+-100       | 91637    | CRCW1206F            |

*\*Indicates factory-selected value*

