

## Economy Type N (Male) Calibration Kits

(Equivalent to Agilent 85032B/E)

| Model    | Description                               | SKU No.  |
|----------|---|----------|
| EUC600NM | Calibration Kit (type N, 50 Ω, 6GHz male) | 55-0205M |
|          |   |          |



EUC600NM

### Scope:

The EUC600NM calibration kit is designed for N-type port calibration on vector network analyzers with frequency range of DC ~ 6GHz. The EUC600N calibration kit can replace Agilent 85032B/E calibration kits, the 85032B/E calibration coefficient data can be used directly to achieve the high calibrations specification below.

| ELECTRICAL SPECIFICATIONS           |                    |
|-------------------------------------|--------------------|
| Frequency band                      | DC-6GHz            |
| Return Loss M Load                  | <-40dB DC-3GHz     |
|                                     | <-37dB DC-6GHz     |
| Phase Deviation<br>( OPEN / SHORT ) | ≤0.8 ° DC-3GHz     |
|                                     | ≤1.0 ° 3GHz - 6GHz |

Note: vale at 25°C sea level

| MECHANICAL SPECIFICATIONS |                              |
|---------------------------|------------------------------|
| CONNECTOR BODY            | Stainless Steel Passivated   |
| INNER PIN                 | Au-plated CuBe alloy         |
| INSULATOR                 | PTFE Virgin Electrical Grade |
| TORQUE:                   | 1.35N-m                      |
| CYCLE LIFE:               | 2000Min.                     |
| WOOD BOX:                 | 142mm X 142mm X 55mm         |
| WEIGHT:                   | 350g                         |

RoHS compliant: **Yes**

### Calibration Coefficient

| Model           | C0<br>F(e-15) | C1<br>F(e-27)/Hz | C2<br>F(e-36)/Hz^2 | C3<br>F(e-45)/Hz^3 | Delay<br>(pSec) | Loss<br>(Gohm/Sec) | Z0<br>(Ohm) |
|-----------------|---------------|------------------|--------------------|--------------------|-----------------|--------------------|-------------|
| EUC600NM - Open | 62.14         | -143.07          | 82.92              | 0.7824             | 17.4            | 0.7                | 50          |
| EUC600NF - Open | 119.09        | -36.955          | 26.258             | 5.5136             | 0               | 0.7                | 50          |

| Model            | L0<br>F(e-12) | L1<br>F(e-24)/Hz | L2<br>F(e-33)/Hz^2 | L3<br>F(e-42)/Hz^3 | Delay<br>(pSec) | Loss<br>(Gohm/Sec) | Z0<br>(Ohm) |
|------------------|---------------|------------------|--------------------|--------------------|-----------------|--------------------|-------------|
| EUC600NM - Short | 0             | 0                | 0                  | 0                  | 17.8            | 2.1002             | 50.209      |
| EUC600NF - Short | 0             | 0                | 0                  | 0                  | 9.3E-2          | 0.7                | 49.992      |

Note:

Racomtech reserves the right to change the specifications and information without notice  
One year limited warranty, refer to our warranty policy.

### Options:

| Model        | Description  | SKU No.  |
|--------------|--|----------|
| NN-MM-18-120 | N(Male) to N(Male) adapter, DC-18GHz VSWR<1.20     | 01-0980  |
| NN-FF-18-120 | N(Female) to N(Female) adapter, DC-18GHz VSWR<1.20 | 01-0981  |
| EUC600NF     | Calibration Kit (type N, 50 Ω, 6GHz female)        | 55-0205F |