**RECOMMENDED LAND PATTERN:**
Zone A must be attached to heat sink. Thermal conductivity of intermediate layers between Zone A and heat sink must be better than 0.1 W/[°C x mm].

**ZONE A**

**ELECTRICAL SPECIFICATION:**
- **Frequency Range:** 1805 to 1880 MHz
- **Isolation (In Band):** 28 dB Min
- **Isolation External Band (1655 to 2030 MHz):** 14 dB Min
- **Insertion Loss:** 0.18 dB Max
- **FWD Power:** 150W (CW)
- **Peak Power:** 1000 W
- **REV Power:** 60 W
- **Flange Temperature 210°C, duration 10 min**
- **Return Loss (Input):** 25 dB Min
- **Return Loss (Output):** 25 dB Min
- **Input impedance real part:** 46.5 Ω min, 53.5 Ω max
- **Input impedance imaginary part:** 4.4 to -4.5 Ω
- **Between 1605 MHz to 2080 MHz no resonance point**
- **IMD (2 x 65 W, 1 MHz space):** -70 dBc Max
- **2nd Harmonics:** 10 dBc
- **3rd Harmonics:** 5 dBc
- **Group delay (In Band):** 2 ns max
- **Delay (In Band):** 0.5 ns max
- **Delay at 1655 to 2030 MHz:** 2 ns max
- **Operating Temperature:** -40°C to +120°C
  - +120°C to +130°C: power capacity and reliability no change, other spec. reduce 10%
- **Storage Temperature:** -40°C to +130°C
- **Reflow Temperature:** 260°C with 10 seconds
- **Direction:** CW

**BODY:** CARBON STEEL, SILVER PLATED
**RIGID PINS:** COPPER, SILVER PLATED

**NOTES:**
1. STANDARD INPUT/OUTPUT IMPEDANCE 50 Ohm
2. LEAD FREE, NO Nd MATERIAL, BeO FREE
3. S_PARAMETERS ARE MEASURED WITH PORT1 AND PORT2 CONNECTED TO VNA PORT3 TO LOAD
4. DOES NOT DAMAGE AT 115°C
5. The dimension of the Data Matrix is 5.3mm x 5.3mm, Information included
6. This part complies with all RoHS requirements.