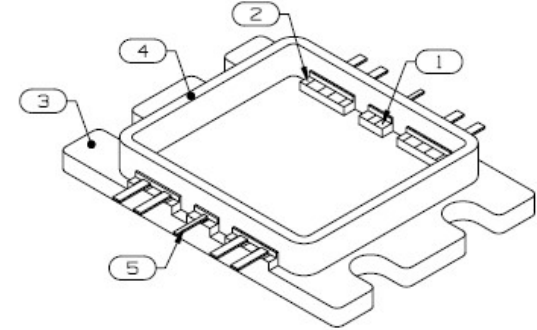
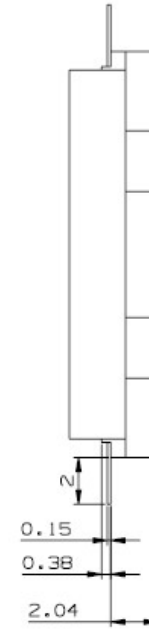
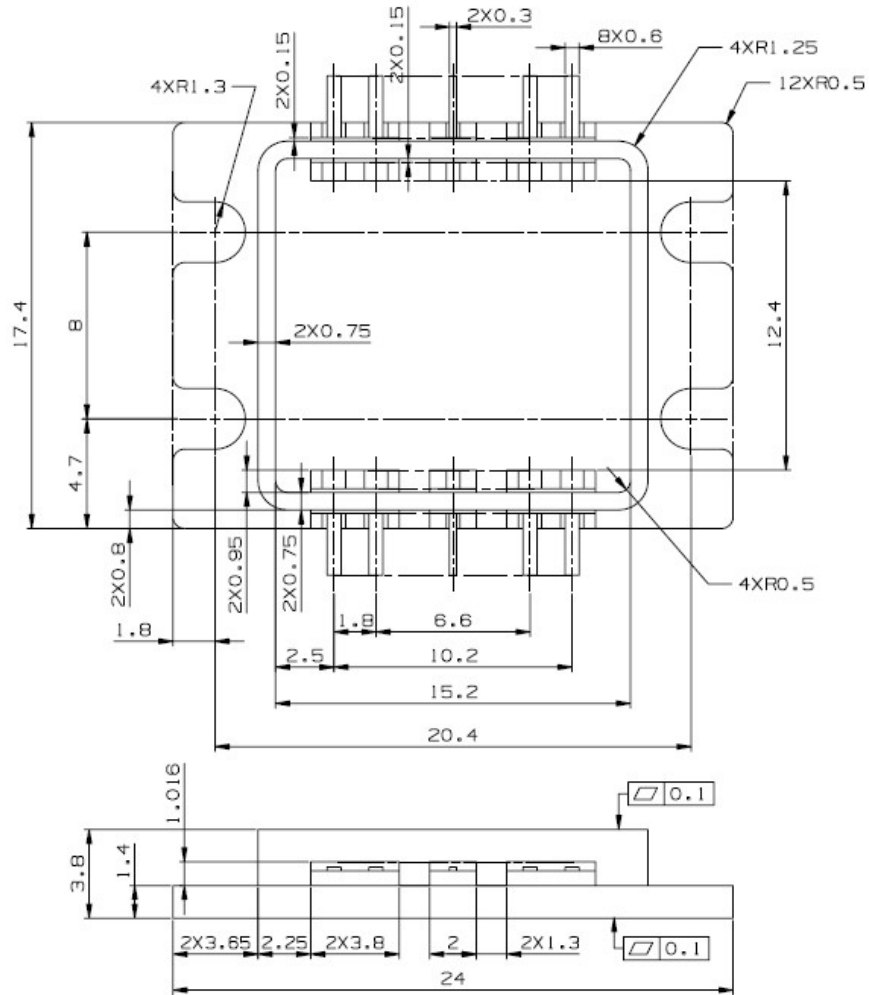


Specifications

1. RF Package should be suitable for assembly of high power dissipating Si, GaAs & GaN MMIC dice inside it.
2. Package material: a. Base: Cu-Mo-Cu, b. Frame: Fe-Ni-Co Alloy, c. Leads: Alloy 194
3. Lid Material: Fe-Ni-Co Alloy
4. Useable frequency range of the RF package: DC to 15 GHz (Minimum)
5. Detailed frequency response for the package to be provided by vendor along with quotation.
6. I/O connections: Package should contain minimum 2 RF ports and 8 DC ports as shown in package drawing.
7. RF & DC ports shall be made up of ceramic material with Microstrip-Stripline-Microstrip transitions. The transition shall be embedded in the Fe-Ni-Co frame. The pins should be brazed to RF & DC ports outside package frame.
8. Plating on the Package & Lid: Ni with 2.54 μm minimum thickness + Au with 2.54 μm minimum thickness
9. Insulation Resistance: Leakage current $\leq 1.0 \times 10^{-7}$ Amps at 100 V DC
10. Package shall meet the Hermeticity of 1.0×10^{-8} atm.cc/sec
11. Vendor shall supply matched lid with suitable dimensions to match the package. The lid shall be seam/laser sealable to the package frame.
12. Vendor should provide the data sheet and drawing of the offered package and lid along with quotation.
13. Packing and marking:
 - a) Package and lids shall be individually packed in suitable material and packing material shall not contain corrosive/out gassing elements.
 - b) Packing shall be such that it should be physically restrained from vibration and shock in order to avoid any kind of damage to Packages and Lids.
 - c) Containers shall be suitably packed for easy shipment, handling and storage without allowing damage to the parts.
 - d) Container shall be marked with part number, lot number and quantity of Packages or Lids in each shipping container.
 - e) Packing shall be such that no scratches should occur on Package and Lid during handling and transit.
14. Certificate of Conformance to the above specifications shall be provided for package and lid along with the items.
15. The package drawing (Tolerance: $\pm 0.2\text{mm}$) is mentioned below. All dimensions are in mm.

Package Drawing



5	LEAD	10	ALLOY 194
4	FRAME	1	Fe-Ni-Co ALLOY
3	BASE	1	Cu-Mo-Cu
2	DC FEEDTHRU	4	CERAMIC
1	RF FEEDTHRU	2	CERAMIC
SL. NO.	DESCRIPTION	QTY.	MATL.