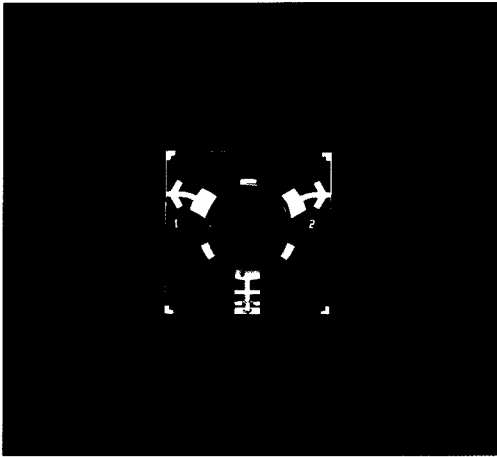


SUBSTRATE DROP-IN ISOLATORS



These compact isolators are realised on ferrite substrates. The microwave circuit is printed on the ferrite substrate using thick film silver and magnets are mounted on both sides to provide the magnetic field.

Custom designs and multi-port versions are available on request.

| Frequency Range (GHz) | Type Number | SPECIFICATION | | | Operating Temp (°C) | DIMENSIONS (mm) | | | | | POWER |
|-----------------------|-------------|--------------------|-------------------------|----------------------|---------------------|-----------------|-------|------|-------|-----|-------------|
| | | Isolation (dB) min | Insertion Loss (dB) max | Return Loss (dB) min | | a | b | c | d | e | Reverse (W) |
| 1.7 - 2.1 | NPF3041 | 19 | 0.5 | 18 | 0 to +50 | 25.30 | 25.30 | 2.00 | 17.50 | 5.0 | 0.5 |
| 1.9 - 2.3 | NPF3042 | 19 | 0.45 | 18 | 0 to +50 | 25.30 | 25.30 | 2.00 | 17.50 | 5.0 | 0.5 |
| 2.3 - 2.7 | SPF3061 | 20 | 0.4 | 20 | 0 to +50 | 25.40 | 25.40 | 2.00 | 18.00 | 5.0 | 0.5 |
| 3.1 - 3.6 | SPF3062 | 20 | 0.4 | 20 | -10 to +50 | 19.00 | 19.00 | 1.00 | 10.00 | 5.0 | 0.5 |
| 3.6 - 4.2 | UPF3061 | 20 | 0.4 | 21 | -10 to +70 | 18.98 | 18.98 | 1.02 | 9.50 | 3.0 | 0.5 |
| 4.4 - 5.0 | UPF3062 | 20 | 0.4 | 20 | -20 to +70 | 15.00 | 17.50 | 1.90 | 11.00 | 4.1 | 0.5 |
| 4.7 - 5.2 | UPF3041 | 20 | 0.4 | 21 | -10 to +70 | 12.62 | 12.62 | 1.02 | 6.50 | 3.5 | 0.5 |
| 5.4 - 5.8 | UPF3042 | 20 | 0.4 | 21 | -10 to +70 | 12.62 | 12.62 | 1.02 | 6.50 | 4.5 | 0.5 |
| 5.9 - 6.5 | CPF3041 | 20 | 0.4 | 21 | -10 to +70 | 12.62 | 12.62 | 1.02 | 6.50 | 4.5 | 0.5 |
| 6.4 - 7.1 | CPF3042 | 20 | 0.4 | 21 | -10 to +70 | 12.62 | 12.62 | 1.02 | 6.50 | 4.5 | 0.5 |
| 7.1 - 7.7 | CPF3043 | 20 | 0.4 | 21 | -10 to +70 | 12.62 | 12.62 | 1.02 | 6.50 | 4.5 | 0.5 |
| 7.7 - 8.3 | CPF3044 | 20 | 0.4 | 21 | -10 to +70 | 12.62 | 12.62 | 1.02 | 6.50 | 4.5 | 0.5 |
| 7.7 - 8.5 | CPF3045 | 20 | 0.4 | 21 | -10 to +70 | 10.40 | 16.00 | 0.51 | 6.00 | 3.5 | 0.5 |
| 8.0 - 10.4 | XPF3061 | 20 | 0.4 | 19 | 10 to +70 | 8.17 | 12.62 | 0.51 | 5.20 | 3.0 | 0.5 |
| 8.5 - 9.6 | XPF3041 | 20 | 0.4 | 21 | -10 to +70 | 8.17 | 12.62 | 0.51 | 5.20 | 3.0 | 0.5 |
| 9.0 - 11.5 | XPF3062 | 20 | 0.4 | 19 | -10 to +70 | 8.17 | 12.62 | 0.51 | 4.30 | 3.0 | 0.5 |
| 9.4 - 10.3 | XPF3042 | 20 | 0.4 | 19 | -30 to +70 | 8.89 | 10.16 | 0.64 | 5.00 | 6.0 | 0.5 |
| 10.6 - 11.7 | XPF3043 | 20 | 0.4 | 18 | 0 to +50 | 8.90 | 10.20 | 0.80 | 6.40 | 5.1 | 0.5 |
| 10.5 - 13.0 | XPF3063 | 20 | 0.4 | 19 | -10 to +70 | 8.17 | 12.62 | 0.51 | 3.70 | 3.5 | 0.5 |
| 12.75 - 13.25 | JPF3041 | 20 | 0.5 | 19 | -20 to +55 | 6.32 | 11.00 | 0.51 | 3.00 | 3.5 | 0.5 |
| 13.0 - 14.5 | JPF3042 | 20 | 0.5 | 19 | -10 to +70 | 6.32 | 11.00 | 0.51 | 3.00 | 3.5 | 0.5 |
| 14.4 - 15.25 | JPF3043 | 20 | 0.5 | 19 | -10 to +70 | 6.32 | 11.00 | 0.51 | 3.00 | 4.0 | 0.5 |
| 14.5 - 15.4 | JPF3044 | 20 | 0.5 | 18 | 0 to +50 | 6.32 | 7.71 | 0.51 | 2.50 | 1.9 | 0.5 |

