

ISO Series Dual Junction Drop-in Isolator

 **RoHS**

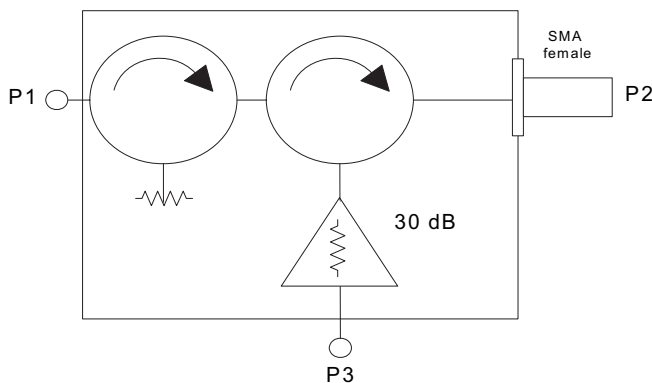
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Description:

Drop-in isolators accommodate the major cellular applications. These devices offer a guaranteed specification at very competitive pricing. Devices are fully tested to handle shock, vibration, thermal shock and moisture, making them suitable for base station and other infrastructure environments. The isolator provides a non-reciprocal transmission path. The isolator uses ferrite material which in the presence of a magnetic field gives this nonreciprocal operation. As port 1 is the input port, energy reflected from port 2 is transmitted to a termination (dummy load) where it is dissipated as heat.

Schematic:



Features:

- Low cost
- Custom products available for high volume applications
- Good temperature stability
- Fully RoHS compliant
 - No beryllium oxide
 - No magnetic nickel in any of the components
- All metal surfaces in the isolator are corrosion resistant
- House: Stainless steel, steel, copper or aluminum (plated) Tab: Brass (plated)

Specifications:

Part Number	Frequency (MHz)	Input Power (W)	Reverse Power (W)	Insertion Loss maximum (dB)	Return Loss P1 MIN (dB)	Return Loss P2 MIN (dB)	Return Loss P3 MIN (dB)	Isolation MIN (dB)	Working Temp °C
ISO-800-02 CCW	864-899	200	150	0.4	26	21	18	45	-10 to +85
ISO-900-02 CCW	920-965	200	150	0.4	26	21	18	45	-10 to +85
ISO-1800-02 CCW	1805-1880	150	150	0.4	26	21	18	45	-10 to +85
ISO-1900-02 CCW	1925-1995	150	150	0.4	26	21	18	45	-10 to +85

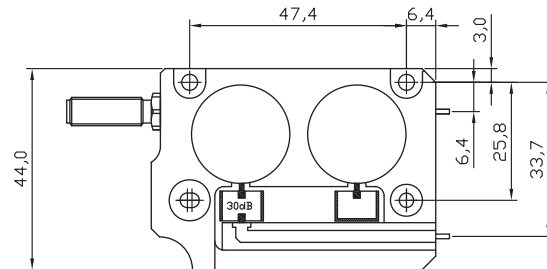
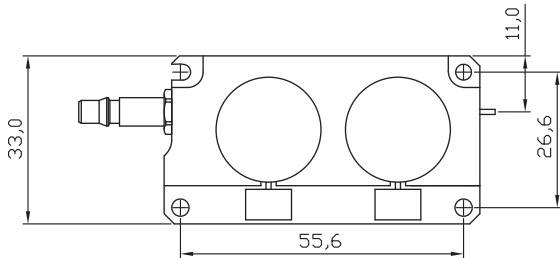
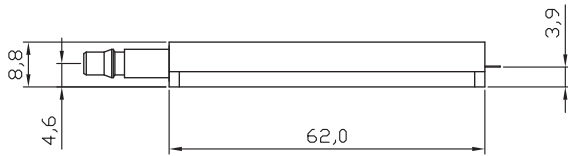
Note: 1. Power handling can be supplied at 80W/100W/150W/60W per customer request.
2. Storage temperature: -40°C to 125°C.

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Outline Drawing:



2 Port

3 Port

Note: All dimensions are in mm.

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