 The annotation member types must be one of:

* Primitive
* String
* Class
* An Unum
* Another Annotation
* An array of any of the above
* Constant declaration
* Class declaration
* Interface declaration

An annotation type member cannot contain a generic type. It is a compile-time error if an annotation type declaration T contains an element of type T, either directly or indirectly.

For example @interface SelfRef { SelfRef value(); }

It is not allowed due to is not permitted to use indirectly a generic type.

Examples about valid type member validation are showed below.

enum Level { BAD, INDIFFERENT, GOOD }

@interface Quality {

Level value();

}

interface Formatter {}

@interface PrettyPrinter {

Class<? extends Formatter> value();

}

@interface Endorsers {

String[] value();

}