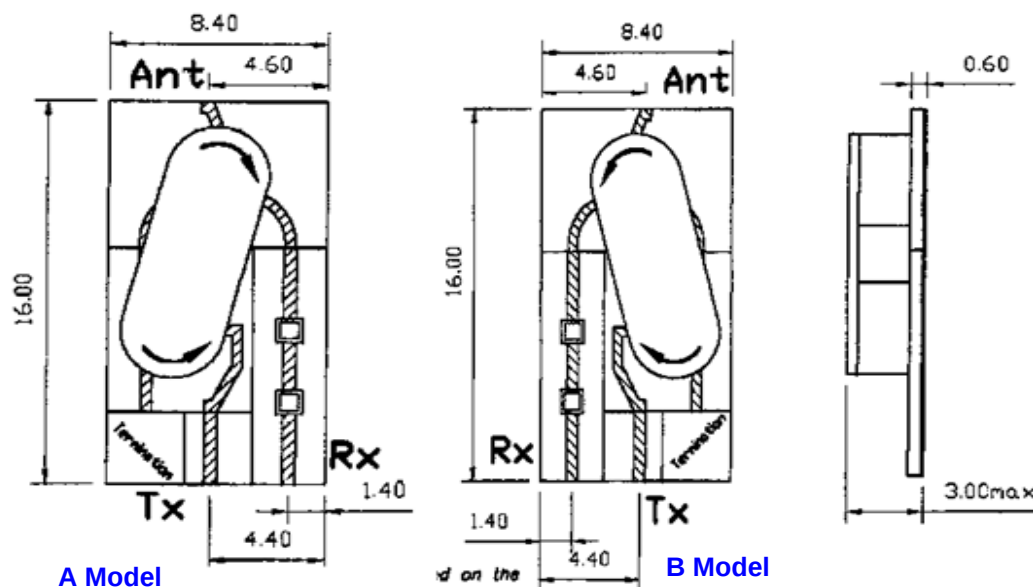


Microstrip Duplexer (Circulator/ Isolator) with Limiter Model A or B, 9.2-10.0GHz, MSDJ Package, 10 Watt



Units: mm
Not to scale

Tolerance:
±0.07mm

Order Examples: RCI-LIM-A-9.2-10.0-MSDJ-10/10W-e

Option: SP- Fitted Kovar Carrier

Application Notes

- 1 The devices should be mounted on the NON MAGNETIC carrier or base. The minimal thickness 1mm or use Option: SP- fitted Kovar Carrier
2. Plating: Gold. RoHS compliant.
3. Load and Tuning conductor (97In3Ag) optional location and configuration can vary determined by vendor
4. Humidity 5 to 95% non-condensing.
5. Maximum temperature during welding process +350C @ 25mSec

Specifications	Symbol	Min Value	Max Value	Units
Frequency:		9.2	10.0	GHz
Power rating: Average CW	Pavg		10	W
Peak	Pp		10	W
Operating Temperature	Top	-40	+85	°C
Storage temp. range	Tstr	-40	+85	°C
Insertion loss level: TX to Antenna	IL1		0.9	dB
Insertion loss level: Antenna to RX	IL2		1.4	dB
Isolation: Antenna to TX	ISO1	33		dB
Isolation: TX to RX	ISO2	18		dB
Isolation: RX to Antenna	ISO3	18		dB
Return Loss at Antenna &TX ports	RL1	18		dB
Return Loss at RX port	RL2	16		dB
Recovery time (from max. attenuation to -1dB of loss)	RT		2	usec
Limiter Leakage (Ant = +36dBm)	LLK		+10	dBm

RCI-LIM-A(B)-9.2-10.0-MSDJ-10-10W-e

Specifications may be subject to change

06/18/13

WORLD HQ: 1702L Meridian Ave. Suite 127, San Jose, Ca 95125, U.S.A.

Tel: (408) 266-7404

FAX: (408) 266-4483

WEB: www.raditek.com

E-mail: sales@raditek.com