RADITEK INC.

RoHS COMPLIANT

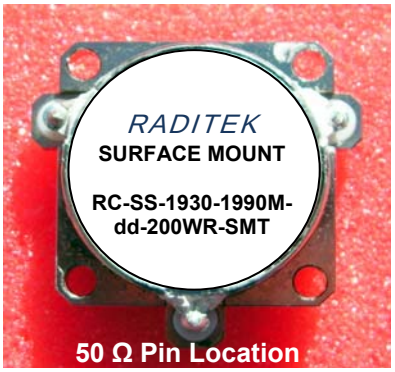
code -sj

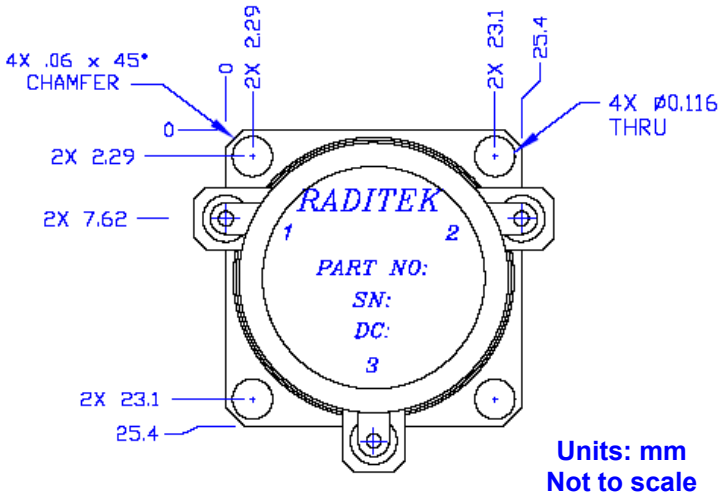
RC-SS-dd-SMT Circulator Product Family

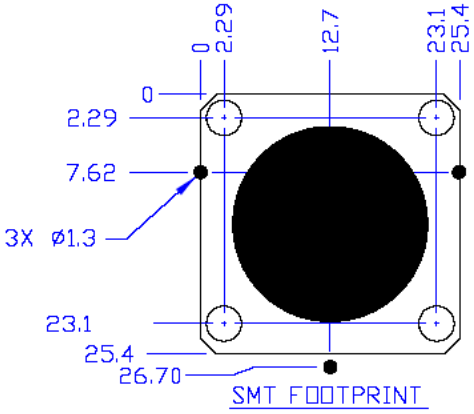
860 to 1990MHz, 200Watts

Designed for low cost, high volume reflow manufacturing.
Dual mount technique for maximum flexibility.
Mounting options: Soldered and or Screw Down.
Features:

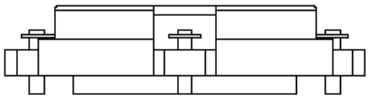
- ✓ Highest performance
- ✓ Same size and footprint over a wide range of frequencies.
- ✓ Unique Precision surface mount design
- ✓ Patent applied for.
- ✓ Unique circular pedestal mounting for best







Units: mm
Not to scale



Unit will be cooled by through the board heat sinking.

Direction of RF:	
R	Default ▶
L	◀

Order Examples: RC-SS-869-894M-dd-200WR-SMT

Specifications				Units
Frequency	**860-900**	**869-894**	**921-960**	**MHz**
Insertion Loss	<0.35	<0.35	<0.35	**dB**
Isolation	>25	>25	>25	**dB**
In/Out Return Loss	<23	<23	<23	**dB**
Passband Ripple	0.05	0.05	0.05	**dB**
IMD (2 x 50W tones)	-70	-70	-70	**dBc typical**
Forward power	>200	>200	>200	**Watts**
Peak power	>1	>1	>1	**kilo Watts**
Operating Temperature	-10 to +80	-10 to +80	-10 to +80	**°C**
Storage Temperature	-40 to 100	-40 to 100	-40 to 100	**°C**

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RC-SS-dd-SMT Circulator Product Family

860 to 1990MHz, 200Watts

Specifications					Units
Frequency	**1500-1700**	**1805-1880**	**1930-1990**		**MHz**
Insertion Loss	0.4	<0.35	<0.35		**dB**
Isolation	19	>25	>25		**dB**
In/Out Return Loss	20	<23	<23		**dB**
Passband Ripple	0.05	0.05	0.05		**dB**
IMD (2 x 50W tones)	-70	-70	-70		**dBc typical**
Forward power	>200	>200	>200		**Watts**
Peak power	>1	>1	>1		**kilo Watts**
Operating Temperature	-10 to +80	-10 to +80	-10 to +80		**°C**
Storage Temperature	-40 to 100	-40 to 100	-40 to 100		**°C**

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